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HYDROLOGICAL MEMORANDA NO. 21

RAINFALL OVER THE AREAS OF THE KENT AND THE EAST AND WEST SUSSEX RIVER BOARDS, 1916-1950

1. Rainfall, 1916-1950;

1.1. Introduction. The estimation of standard-period averages for the months or for the year, is carried out in three stages; the selection of sound, homogeneous records complete for the 35 years, 1916-1950, which provide arithmetic means of monthly and annual rainfall, the basic values for all other work; the estimation of standard-period, annual averages for short-period stations; the estimation of standard-period, monthly averages for stations in the second group, where these are needed for special purposes.

A detailed account of the methods developed and used in the Meteorological Office (M.O.3) to estimate standard-period averages for short-period records, is given in Hydrological Memoranda No.5.

It is possible to process the data in a number of ways but the maps and tables are presented here in the simplest, most precise forms in order to be of use to a wide range of enquirers.

1.2. The Primary Survey, for Great Britain and Northern Ireland, of stations with complete records during 1916-1950, included some cases where the site had been changed to one with a better exposure and observations from both sites had been recorded for a few years. Attempts were made to amend the earlier readings by comparison of the data during a period of overlap, in order to have a set of values from 1916, to the date of the change, which would be representative of the later, and better, record. But since the earlier exposures were usually unsatisfactory (being over-exposed or over-sheltered), the results were mostly erratic and the amended sets of values were not homogeneous. In a few cases, small breaks in a long record were completed by using estimated values, based on a nearby station, with or without the use of a modifying factor.

On the many records examined, monthly and annual averages were accepted for 58 stations, 40 for Kent, 11 for East Sussex and 7 for West Sussex. The accepted values (in inches), together with the proportions (per cent) of each monthly average to the annual average, are given in Table I, together with the altitude and the National Grid reference for each station. Most of these averages were included in H.M.S.O. publication, M.O.635, "Averages of Rainfall for Great Britain and Northern Ireland, 1916-1950", some were omitted because other stations were so near.

The percentage proportion of monthly averages to the annual averages for the long-period stations were used to draw a series of twelve monthly maps from which it is possible to estimate the percentage of average annual rainfall, for any place, for each month of the year. These maps are shown as Figure 1. Values estimated for a few points between the isopercental lines have been added to give a clearer indication of the variations from place to place. The points chosen are not necessarily the same for each map.

1.3. The Secondary Survey of short-period stations was undertaken next, using records up to the time of the survey, usually into the late 1950's. Long-period stations, whose averages had been rejected from the Primary Survey because the record was not homogeneous, were examined again and averages were estimated for the later (and usually improved) part of the series of observations. Averages based on data for less than 5 years were not usually accepted for publication.

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A list of the accepted averages, for the short-period stations, is given in Table II together with the altitude and National Grid reference for each. The stations are listed in an order based on natural drainage areas which will be used for the first time in British Rainfall, 1961.

These averages, together with the long-period averages listed in Table I, were plotted on Ordnance Survey Maps (scale 4 miles to the inch), and used to draw the lines of average annual rainfall, 1916-1950. The map is shown as Figure 2. The Secondary Survey is frequently revised for special areas using the most up-to-date observations for relatively new stations and the map is subject to revision from time to time. The redrawing of the isohyets usually results in greater detail and perhaps a clearer definition of a wet area as more and more observations become available from improved River Board networks of rain-gauges. Drastic changes are not expected. In Tables I,II and III with a few exceptions, the averages quoted are for records still being maintained in 1963.

1.4. Monthly Averages for a further group of stations were next estimated for use in the Monthly Weather Report and for enquiries. For this purpose some stations were chosen from those listed in Table II to supplement those listed in Table I. To find the monthly averages, the monthly proportions (per cent of annual average) were chosen from the equipercental maps (see Fig. 1) so that the total for the twelve months was 100. These monthly percentages were then used to apportion the annual average (in inches) amongst the months. The results are given in Table III.

1.5. Daily Rainfall, 1916-50. Six of the initial 58 records which were accepted for the Primary Survey (1.2.) were analysed further. These records had regular daily entries, for the 24-hour period 0900 to 0900, for each of the 35 years, 1916-1950. Table IVa gives for each of the stations, the 35-year totals for each day of the year (in inches). Table IVb gives 1/35 of all possible totals from .17 in. to 24.67., thus providing a reduction table for the values in IVa to give average daily falls from "trace" to .70 in. For 29 February the reduction factor is, of course, 1/9.

These daily averages can be re-grouped as 5-day means, 7-day means, consecutive or sliding means or in whatever form suits a specific requirement.

2. Frequencies of Daily Rainfall, 1916-1950. The same set of daily values used for Table IVa were re-grouped to give frequency tables with intervals of .01 inch. These have been re-arranged in Table V, to give accumulated frequencies with intervals of .10 in. up to 2.50 in. and a wider grouping above this.

3. Extremes of Rainfall. The records for the 35-year period, 1916-1950, for the stations used in Tables IV and V were also used to find maximum and minimum values for the year and for each month and also maximum daily values for each month. These maxima and minima are given in Table VI and Table VII. Additional extremes are given in these tables to cover the 50-year period, 1911-1960.

Appendix I.

Intense Falls. Falls of 2 hours or less, which have been recorded in British Rainfall and rank as "noteworthy", "remarkable" or "very rare", are listed in Appendix I.

H. ROWSELL

Meteorological Office, M.O.3a,
Bracknell, Berkshire.

TABLE I. Monthly and Annual Averages of Rainfall (in inches), 1916-1950
Kent, East Sussex and West Sussex River Board Areas

County	Station	Alt. ft.	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
							Kent River Board										
Kent	Crossness	26	TQ(51)485809	1.75	1.34	1.33	1.70	1.63	1.37	2.17	2.00	1.69	2.03	2.19	1.84	21.04	Inch
				8.3	6.4	6.3	8.1	7.8	6.5	10.3	9.5	8.0	9.7	10.4	8.7	100.0	%
"	Westerham	380	TQ(51)446536	3.25	2.39	2.09	2.59	2.20	1.81	2.52	2.80	2.46	3.31	3.64	3.35	32.41	Inch
				10.0	7.4	6.5	8.0	6.8	5.6	7.8	8.6	7.6	10.2	11.2	10.3	100.0	%
"	Betsom's Hill	820	TQ(51)430563	3.46	2.57	2.13	2.64	2.26	2.03	2.87	2.99	2.69	3.53	3.89	3.51	34.57	Inch
				10.0	7.4	6.2	7.6	6.5	5.9	8.3	8.6	7.8	10.2	11.3	10.2	100.0	%
"	Chevening Gardens	350	TQ(51)486578	3.30	2.47	2.00	2.63	2.15	1.77	2.60	2.72	2.50	3.25	3.77	3.42	32.58	Inch
				10.1	7.6	6.1	8.1	6.6	5.4	8.0	8.3	7.7	10.0	11.6	10.5	100.0	%
"	Kemsing P. Station	293	TQ(51)569576	2.88	2.20	2.01	2.30	2.00	1.67	2.42	2.35	2.33	3.02	3.45	2.97	29.60	Inch
				9.7	7.4	6.8	7.8	6.8	5.6	8.2	7.9	7.9	10.2	11.7	10.0	100.0	%
"	Wilmington W. Works	25	TQ(51)543720	2.04	1.61	1.46	1.87	1.72	1.53	2.12	1.99	1.76	2.24	2.56	2.08	22.98	Inch
				8.9	7.0	6.4	8.1	7.5	6.7	9.2	8.7	7.7	9.7	11.1	9.0	100.0	%
"	Orpington W. Works	220	TQ(51)459652	2.58	1.99	1.81	2.26	1.99	1.68	2.25	2.33	2.12	2.82	3.17	2.77	27.77	Inch
				9.3	7.2	6.5	8.1	7.2	6.0	8.1	8.4	7.6	10.2	11.4	10.0	100.0	%
"	Stone House Hospital	115	TQ(51)559743	1.96	1.51	1.39	1.79	1.63	1.46	2.13	1.98	1.80	2.10	2.45	2.01	22.21	Inch
				8.8	6.8	6.3	8.1	7.3	6.6	9.6	8.9	8.1	9.5	11.0	9.0	100.0	%
"	Southfleet W. Works	82	TQ(51)610724	2.11	1.64	1.51	1.89	1.66	1.46	2.15	2.03	1.79	2.30	2.64	2.17	23.35	Inch
				9.0	7.0	6.5	8.1	7.1	6.3	9.2	8.7	7.7	9.8	11.3	9.3	100.0	%
Sussex	Jarvis Brook	325	TQ(51)540297	3.97	2.78	2.39	2.64	2.25	1.99	2.88	3.10	2.76	3.96	4.40	3.86	36.98	Inch
				10.7	7.5	6.5	7.1	6.1	5.4	7.8	8.4	7.5	10.7	11.9	10.4	100.0	%

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Kent, East Sussex and West Sussex River Board Areas

County	Station	Alt. ft.	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
								Kent River Board (continued)									
Kent	Tunbridge Wells	351	TQ(51)588392	3.02	2.26	1.98	2.23	2.08	1.73	2.29	2.42	2.20	3.25	3.64	3.16	30.26	Inch
				10.0	7.5	6.5	7.4	6.9	5.7	7.6	8.0	7.3	10.7	12.0	10.4	100.0	%
"	Falconhurst	375	TQ(51)470427	3.16	2.45	2.01	2.31	2.15	1.80	2.67	2.93	2.35	3.34	3.78	3.22	32.17	Inch
				9.8	7.6	6.2	7.2	6.7	5.6	8.3	9.1	7.3	10.4	11.8	10.0	100.0	%
Surrey	Chartham Park	270	TQ(51)382407	3.35	2.45	2.06	2.30	2.06	1.71	2.64	2.72	2.38	3.36	3.83	3.45	32.31	Inch
				10.4	7.6	6.4	7.1	6.4	5.3	8.2	8.4	7.4	10.4	11.7	10.7	100.0	%
Kent	Hildenborough	159	TQ(51)572488	2.73	2.14	1.80	2.17	1.94	1.61	2.30	2.53	2.15	2.87	3.25	2.77	28.26	Inch
				9.7	7.6	6.4	7.7	6.9	5.7	8.1	8.9	7.6	10.1	11.5	9.8	100.0	%
"	Pembury W Works	196	TQ(51)627421	2.88	2.19	1.86	2.19	2.04	1.63	2.26	2.33	2.15	3.14	3.53	3.04	29.24	Inch
				9.8	7.5	6.4	7.5	7.0	5.6	7.7	8.0	7.3	10.7	12.1	10.4	100.0	%
Sussex	Frant	440	TQ(51)579342	3.49	2.54	2.25	2.42	2.10	1.86	2.64	2.78	2.56	3.77	4.11	3.57	34.09	Inch
				10.2	7.4	6.6	7.1	6.2	5.5	7.7	8.1	7.5	11.1	12.1	10.5	100.0	%
"	Cousley Wood	415	TQ(51)662337	2.99	2.15	1.98	2.21	2.03	1.75	2.38	2.63	2.24	3.43	3.59	3.02	30.40	Inch
				9.8	7.1	6.5	7.3	6.7	5.8	7.8	8.6	7.4	11.3	11.8	9.9	100.0	%
Kent	Scotney Castle	210	TQ(51)685354	2.96	2.11	1.88	2.06	1.90	1.59	2.32	2.39	2.15	3.31	3.55	2.98	29.20	Inch
				10.1	7.2	6.4	7.1	6.5	5.4	8.0	8.2	7.4	11.3	12.2	10.2	100.0	%
"	Bedgebury Park	280	TQ(51)717341	3.44	2.41	2.10	2.35	2.10	1.80	2.55	2.77	2.44	3.69	3.97	3.43	33.05	Inch
				10.4	7.3	6.4	7.1	6.4	5.4	7.7	8.4	7.4	11.1	12.0	10.4	100.0	%
"	Barming W. Works	247	TQ(51)735548	2.46	1.83	1.59	2.11	1.83	1.49	2.28	2.23	2.00	2.77	3.06	2.60	26.25	Inch
				9.4	7.0	6.1	8.0	7.0	5.7	8.7	8.5	7.6	10.5	11.6	9.9	100.0	%
"	Langley	354	TQ(51)800521	2.69	1.97	1.71	2.09	1.95	1.57	2.40	2.35	2.19	3.16	3.19	2.78	28.05	Inch
				9.6	7.0	6.1	7.4	6.9	5.6	8.6	8.4	7.8	11.3	11.4	9.9	100.0	%

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				Kent River Board (continued)													
Kent	Maidstone, Mill St.	37	TQ(51)761555	2.57	1.93	1.63	2.16	1.89	1.49	2.33	2.19	1.98	2.81	3.08	2.66	26.72	Inch
				9.6	7.2	6.1	8.1	7.1	5.6	8.7	8.2	7.4	10.5	11.5	10.0	100.0	%
"	Maidstone, Brenchley Gardens	49	TQ(51)759561	2.53	1.93	1.65	2.18	1.85	1.50	2.35	2.20	1.99	2.79	3.05	2.65	26.67	Inch
				9.5	7.2	6.2	8.2	6.9	5.6	8.8	8.3	7.5	10.5	11.4	9.9	100.0	%
"	East Malling	122	TQ(51)711568	2.48	1.86	1.64	2.08	1.92	1.60	2.36	2.34	2.09	2.83	3.08	2.59	26.87	Inch
				9.2	6.9	6.1	7.7	7.2	6.0	8.8	8.7	7.8	10.5	11.5	9.6	100.0	%
"	Halling P. Station	75	TQ(51)701643	2.41	1.78	1.64	2.04	1.81	1.43	2.30	2.29	1.97	2.65	2.95	2.41	25.68	Inch
				9.4	6.9	6.4	7.9	7.0	5.6	9.0	8.9	7.7	10.3	11.5	9.4	100.0	%
"	Strood W. Works	112	TQ(51)729693	2.22	1.69	1.56	1.95	1.75	1.44	2.28	2.12	1.84	2.46	2.69	2.27	24.27	Inch
				9.2	7.0	6.4	8.0	7.2	5.9	9.4	8.7	7.6	10.1	11.1	9.4	100.0	%
"	Herne Bay W. Works	125	TR(61)186679	2.01	1.39	1.39	1.62	1.49	1.35	2.04	1.98	1.80	2.58	2.70	2.04	22.39	Inch
				9.0	6.2	6.2	7.2	6.7	6.0	9.1	8.9	8.0	11.5	12.1	9.1	100.0	%
"	Margate	51	TR(61)368714	1.86	1.37	1.22	1.40	1.43	1.24	1.97	1.91	1.95	2.48	2.52	1.90	21.25	Inch
				8.8	6.4	5.7	6.6	6.7	5.8	9.3	9.0	9.2	11.7	11.9	8.9	100.0	%
"	Ramsgate	80	TR(61)385648	2.03	1.49	1.31	1.53	1.59	1.42	2.19	2.11	2.10	2.68	2.72	2.05	23.22	Inch
				8.8	6.4	5.6	6.6	6.9	6.1	9.4	9.1	9.1	11.5	11.7	8.8	100.0	%
"	Ashford	190	TR(61)013430	2.99	2.18	1.89	2.11	2.07	1.58	2.47	2.46	2.24	3.33	3.50	3.09	29.91	Inch
				10.0	7.3	6.3	7.1	6.9	5.3	8.3	8.2	7.5	11.1	11.7	10.3	100.0	%
"	Canterbury S. Works	15	TR(61)166596	2.50	1.84	1.69	1.98	1.82	1.50	2.38	2.17	2.14	3.14	3.31	2.63	27.10	Inch
				9.2	6.8	6.3	7.3	6.7	5.5	8.8	8.0	7.9	11.6	12.2	9.7	100.0	%

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Kent, East Sussex and West Sussex River Board Areas.

County	Station	Alt. ft.	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
				Kent River Board (continued)													
Kent	Wingham W. Works	137	TR(61)244553	2.63	1.90	1.68	2.00	1.80	1.46	2.47	2.20	2.35	3.26	3.49	2.86	28.10	Inch
				9.3	6.8	6.0	7.1	6.4	5.2	8.8	7.8	8.4	11.6	12.4	10.2	100.0	%
"	Waldershare Park	280	TR(61)291481	3.23	2.34	2.01	2.18	2.02	1.67	2.76	2.63	2.69	3.68	4.15	3.42	32.78	Inch
				9.9	7.1	6.1	6.7	6.2	5.1	8.4	8.0	8.2	11.2	12.7	10.4	100.0	%
"	Walmer W. Works	111	TR(61)363508	2.80	1.92	1.64	1.87	1.75	1.49	2.32	2.27	2.29	3.27	3.72	2.94	28.28	Inch
				9.9	6.8	5.8	6.6	6.2	5.3	8.2	8.0	8.1	11.6	13.1	10.4	100.0	%
"	Dover	19	TR(61)320410	2.80	2.06	1.80	2.02	1.74	1.61	2.35	2.23	2.27	3.33	3.68	2.91	28.80	Inch
				9.7	7.2	6.2	7.0	6.0	5.6	8.2	7.7	7.9	11.6	12.8	10.1	100.0	%
"	Folkestone, Cherry Garden	230	TR(61)211381	3.03	2.05	1.82	2.13	1.97	1.75	2.57	2.42	2.53	3.49	3.83	3.12	30.71	Inch
				9.9	6.7	5.9	6.9	6.4	5.7	8.4	7.9	8.2	11.4	12.5	10.0	100.0	%
"	Hythe, Oaklands	9	TR(61)163345	2.83	1.97	1.69	2.01	1.85	1.48	2.19	2.21	2.28	3.17	3.54	2.93	28.15	Inch
				10.0	7.0	6.0	7.1	6.6	5.3	7.8	7.8	8.1	11.3	12.6	10.4	100.0	%
"	Dungeness	10	TR(61)094169	2.44	1.66	1.51	1.77	1.64	1.31	2.00	2.02	2.02	3.06	3.05	2.57	25.05	Inch
				9.7	6.6	6.0	7.1	6.5	5.2	8.0	8.1	8.1	12.2	12.2	10.3	100.0	%
Sussex	Udimore	92	TQ(51)886194	3.03	2.13	1.87	1.96	1.90	1.60	2.33	2.40	2.36	3.56	3.79	3.34	30.27	Inch
				10.0	7.0	6.2	6.5	6.3	5.3	7.7	7.9	7.8	11.8	12.5	11.0	100.0	%
				East Sussex River Board													
Sussex	Hatton Reservoir	294	TQ(51)826104	3.00	2.09	1.91	2.02	1.83	1.60	2.28	2.42	2.31	3.48	3.71	3.30	29.95	Inch
				10.0	7.0	6.4	6.8	6.1	5.3	7.6	8.1	7.7	11.6	12.4	11.0	100.0	%
"	Hastings, Newgate	243	TQ(51)807102	2.92	2.03	1.84	1.97	1.76	1.57	2.30	2.30	2.25	3.32	3.67	3.18	29.11	Inch
				10.0	7.0	6.3	6.8	6.1	5.4	7.9	7.9	7.7	11.4	12.6	10.9	100.0	%

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County	Station	Alt. ft.	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
				East Sussex River Board (continued)													
Sussex	Pevensey Bay P. Station	7	TQ(51)667047	2.98	2.03	1.79	1.88	1.70	1.50	2.13	2.33	2.38	3.31	3.86	3.18	29.07	Inch
				10.2	7.0	6.2	6.5	5.8	5.2	7.3	8.0	8.2	11.4	13.3	10.9	100.0	%
"	Eastbourne	23	TV(50)611980	3.25	2.18	1.97	2.00	1.72	1.63	2.23	2.46	2.51	3.57	3.96	3.34	30.82	Inch
				10.5	7.1	6.4	6.5	5.6	5.3	7.2	8.0	8.1	11.6	12.9	10.8	100.0	%
"	Litlington	19	TQ(51)523018	3.37	2.33	2.07	2.15	1.86	1.67	2.38	2.55	2.62	3.52	3.99	3.45	31.96	Inch
				10.5	7.3	6.5	6.7	5.8	5.2	7.5	8.0	8.2	11.0	12.5	10.8	100.0	%
"	Seaford	45	TV(50)486990	2.86	2.00	1.78	1.90	1.73	1.64	2.15	2.50	2.35	3.16	3.58	3.07	28.72	Inch
				9.9	7.0	6.2	6.6	6.0	5.7	7.5	8.7	8.2	11.0	12.5	10.7	100.0	%
"	Poverty Bottom W.Works	60	TQ(51)467022	3.11	2.21	1.91	2.04	1.84	1.69	2.37	2.56	2.35	3.37	3.85	3.29	30.59	Inch
				10.2	7.2	6.2	6.7	6.0	5.5	7.7	8.4	7.7	11.0	12.6	10.8	100.0	%
"	Balcombe	467	TQ(51)290312	3.58	2.55	2.15	2.42	2.15	1.91	3.02	3.01	2.55	3.71	4.09	3.69	34.83	Inch
				10.3	7.3	6.2	6.9	6.2	5.5	8.7	8.6	7.3	10.7	11.7	10.6	100.0	%
"	Kingston W. Works	12	TQ(51)407092	3.82	2.55	2.32	2.51	2.15	1.96	2.85	3.07	2.91	3.98	4.36	3.84	36.32	Inch
				10.5	7.0	6.4	6.9	5.9	5.4	7.8	8.5	8.0	11.0	12.0	10.6	100.0	%
"	Race Hill Res.	456	TQ(51)335057	3.50	2.42	2.16	2.28	2.04	1.86	2.75	2.90	2.70	3.67	4.33	3.54	34.15	Inch
				10.2	7.1	6.3	6.7	6.0	5.4	8.1	8.5	7.9	10.7	12.7	10.4	100.0	%
				West Sussex River Board													
Sussex	Mile Oak	166	TQ(51)243079	3.31	2.29	2.04	2.14	1.91	1.79	2.46	2.62	2.50	3.27	3.90	3.29	31.52	Inch
				10.5	7.3	6.5	6.8	6.0	5.7	7.8	8.3	7.9	10.4	12.4	10.4	100.0	%
"	Worthing	25	TQ(51)153029	2.94	2.00	1.72	1.78	1.65	1.53	2.14	2.28	2.16	2.95	3.44	2.90	27.49	Inch
				10.7	7.3	6.2	6.5	6.0	5.6	7.8	8.3	7.9	10.7	12.5	10.5	100.0	%

TABLE I. Monthly and Annual Averages of Rainfall (in inches) 1916-1950
Kent, East Sussex and West Sussex River Board Areas.

County	Station	Alt. ft.	N.G.R.	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year	
				West Sussex River Board (continued)													
Hampshire	Liss, Kippences	250	SU(41)777285	4.13	2.88	2.32	2.46	2.28	1.86	2.77	2.93	2.80	3.63	4.27	3.99	36.32	Inch
				11.4	7.9	6.4	6.8	6.3	5.1	7.6	8.1	7.7	10.0	11.7	11.0	100.0	%
Sussex	Petworth Park	250	SU(41)974216	3.90	2.69	2.26	2.33	2.23	1.75	2.65	2.68	2.50	3.49	4.24	3.93	34.65	Inch
				11.3	7.8	6.5	6.7	6.4	5.1	7.7	7.7	7.2	10.1	12.2	11.3	100.0	%
"	West Dean Park	190	SU(41)864127	4.23	2.85	2.43	2.48	2.38	1.94	2.95	3.11	2.97	3.87	4.36	4.01	37.58	Inch
				11.2	7.6	6.5	6.6	6.3	5.2	7.8	8.3	7.9	10.3	11.6	10.7	100.0	%
"	Chilgrove House	265	SU(41)834144	4.08	2.68	2.37	2.42	2.39	1.86	2.92	2.99	2.87	3.74	4.27	3.86	36.45	Inch
				11.2	7.3	6.5	6.6	6.6	5.1	8.0	8.2	7.9	10.3	11.7	10.6	100.0	%
"	Compton House	260	SU(41)775148	4.25	2.87	2.48	2.52	2.46	2.06	3.04	3.08	2.86	3.88	4.36	4.05	37.91	Inch
				11.2	7.6	6.5	6.7	6.5	5.4	8.0	8.1	7.6	10.2	11.5	10.7	100.0	%

TABLE II Estimated Annual Averages of Rainfall (in inches), 1916-1950 for short-period stations. (Kent, East Sussex and West Sussex River Board Areas)

County	Station	Annual Average in.	Alt. ft.	N.G.R.
	Kent River Board			
Kent	Erith S. Works	22.13	13	TQ(51)523778
"	Westerham Hill P. Station	33.97	539	TQ(51)429558
"	Knockholt W. Works	35.08	785	TQ(51)466583
"	Sundridge P. Station	29.94	270	TQ(51)489556
"	Seven Oaks, Oak Lane	32.31	428	TQ(51)528542
"	Crampton's Road P. Station	29.25	222	TQ(51)530570
"	Oak Bank Reservoir	30.27	548	TQ(51)564561
"	Highfield	30.35	650	TQ(51)541605
"	Eynsford P. Station	26.40	131	TQ(51)535655
"	Farningham	26.71	230	TQ(51)542668
"	Horton Kirby	23.08	50	TQ(51)561685
"	Crockenhill	26.35	331	TQ(51)517668
"	Fairseat Manor	31.42	700	TQ(51)621614
"	Hartley	26.51	270	TQ(51)617665
"	Dartford	21.96	17	TQ(51)543737
"	Scadbury Park	24.54	240	TQ(51)459700
"	Danson Park	24.16	165	TQ(51)472755
"	Dartford S. Works	22.48	14	TQ(51)553767
"	Northfleet P. Station	25.28	160	TQ(51)635691
"	Jeskyns Court	25.68	264	TQ(51)660690
Sussex	Kingscote Nursery	34.03	300	TQ(51)367358
"	Turner's Hill	33.45	450	TQ(51)335361
"	Duckyls	35.37	600	TQ(51)352338
"	Whillet's Bridge	33.83	250	TQ(51)376344
"	West Hoathly P. Station	34.83	375	TQ(51)371328
"	Standen	31.84	450	TQ(51)390355
"	Weir Wood Reservoir	33.17	225	TQ(51)406354
"	Forest Row	35.30	200	TQ(51)447342
"	Rotherfield	36.20	528	TQ(51)556294
Kent	Great Bounds Reservoir	29.44	478	TQ(51)573436
Surrey	Limpsfield and Oxted	29.85	229	TQ(51)398501
"	Yew Lodge	32.25	260	TQ(51)382414
"	Lingfield S. Works	29.86	155	TQ(51)384450
"	South Park Farm	29.56	340	TQ(51)342488
Kent	Stonewall Park	30.64	341	TQ(51)502424
"	Penshurst Place	28.89	120	TQ(51)538440
"	Bayleys Hill Reservoir	31.67	696	TQ(51)519521
"	Goudhurst	32.84	290	TQ(51)722333
"	High Halden	27.32	170	TQ(51)890371
"	Great Tong	25.75	110	TQ(51)831465
"	Maidstone, College Road	26.17	50	TQ(51)758550
"	Lenham Court	30.32	354	TQ(51)884519
"	Lenham	30.22	400	TQ(51)883529
"	Thurnham	29.16	226	TQ(51)816559
"	Boxley W. Works	27.21	319	TQ(51)774594
"	Forstal	25.70	20	TQ(51)739587
"	Trottiscliffe P. Station	28.53	250	TQ(51)640595
"	Cuxton P. Station	26.01	87	TQ(51)689669
"	Woolmans Wood	26.98	470	TQ(51)746635
"	Nashenden P. Station	26.64	125	TQ(51)734655
"	Lodge Hill	22.81	150	TQ(51)757734
"	Frindsbury	24.29	50	TQ(51)745711
"	Chatham	24.49	223	TQ(51)771675
"	Motney Hill	22.71	29	TQ(51)829684
"	Matts Hill P. Station	28.61	225	TQ(51)820625
"	Barnland	20.50	180	TR(61)012721
"	Sittingbourne	27.60	227	TQ(51)891613

TABLE II Estimated Annual Averages of Rainfall (in inches), 1916-1950 for short-period stations.
(Kent, East Sussex and West Sussex River Board Areas)(continued)

County	Station	Annual Average in.	Alt. ft.	N.G.R.
	Kent River Board (continued)			
Kent	Church Marshes S. Works	22.55	8	TQ(51)912648
"	Highstead W. Works	27.12	138	TQ(51)910607
"	Kippen	30.36	497	TQ(51)898572
"	Newnham P.,Station	26.29	107	TQ(51)975597
"	Throwley	31.34	493	TQ(51)983518
"	Ospringe, Larenden	26.29	175	TQ(51)993592
"	Ospringe, Queen Court	26.52	50	TR(61)000604
"	Faversham S. Works	24.97	22	TR(61)023617
"	Whitstable	21.61	9	TR(61)112665
"	Herne Bay	22.74	21	TR(61)171681
"	Stone House	22.42	100	TR(61)396690
"	Broadstairs	23.07	130	TR(61)391681
"	Pett Place	30.92	300	TQ(51)961491
"	Ashford, Magazine Road	28.52	125	TR(61)008433
"	Ashford,Albert Road	29.20	185	TR(61)009430
"	Ashford, Belmore	28.75	200	TR(61)007433
"	Wye	30.43	185	TR(61)057469
"	Chartham	27.99	80	TR(61)097553
"	Canterbury, London Road	26.48	66	TR(61)141583
"	Skeete P. Station	32.67	445	TR(61)144409
"	Ottinge	34.14	300	TR(61)168422
"	Barham P. Station	30.27	173	TR(61)196509
"	Nonington	28.25	140	TR(61)261521
"	Ash, Corking Farm	22.70	50	TR(61)277599
"	Sandwich, Jacob Churchyard	24.59	15	TR(61)328583
"	Martin Mill P. Station	31.24	287	TR(61)337471
"	Dover, Royal Military School	33.37	402	TR(61)327439
"	Lower Standon	32.82	248	TR(61)240404
"	Buckland	33.50	50	TR(61)306426
"	Dover W. Works	30.55	199	TR(61)322420
"	Folkstone	26.39	128	TR(61)227358
"	Sandling Park	30.62	260	TR(61)142368
"	Bonnington	25.88	45	TR(61)053351
"	Dymchurch	25.47	7	TR(61)102296
Sussex	Cranesden	33.31	345	TQ(51)586262
"	Stonegate	33.97	230	TQ(51)652288
"	Crowhurst Bridge	30.92	97	TQ(51)681264
"	Bellhurst Farm	31.57	275	TQ(51)723285
"	Burwash	36.42	350	TQ(51)656232
"	Bateman's	35.35	120	TQ(51)670238
"	Brightling	36.25	550	TQ(51)683211
"	Brightling Park	36.40	545	TQ(51)682209
"	Darvell Hall	31.59	100	TQ(51)729229
"	Bodiam	31.66	73	TQ(51)785249
Kent	Field Green	29.58	199	TQ(51)786295
Sussex	Great Dixter	30.33	209	TQ(51)821251
Kent	Biddenden	28.02	193	TQ(51)850362
Sussex	Iden, Havencroft	30.00	133	TQ(51)920238
Kent	Stone	28.78	140	TQ(51)939272
Sussex	Playden, Scots Float	29.23	14	TQ(51)932226
"	Sedlescombe	32.45	170	TQ(51)776187
"	Brede P. Station	30.73	26	TQ(51)814178
"	Icklesham	30.00	150	TQ(51)879165
"	Fairlight	29.19	100	TQ(51)878122

TABLE II Estimated Annual Averages of Rainfall (in inches), 1916-1950 for short-period stations. (Kent, East Sussex and West Sussex River Board Areas) (continued)

County	Station	Annual Average in.	Alt. ft.	N.G.R.
	East Sussex River Board			
Sussex	Hastings	28.54	149	TQ(51)809094
"	Filsham W. Works	28.71	37	TQ(51)778093
"	Bexhill, Pebsham Lane	28.82	40	TQ(51)758088
"	St. Leonards, Ashbrooke Lodge	31.26	230	TQ(51)796120
"	Bexhill	28.19	12	TQ(51)737072
"	Hazards Green P. Station	27.56	74	TQ(51)681123
"	Hellingly Hospital	31.47	140	TQ(51)597124
"	Amberstone	30.34	29	TQ(51)598113
"	Polegate S. Works	33.86	26	TQ(51)593046
"	Eastbourne, Coast Guard	30.76	17	TV(50)622999
"	Pevensey P. Station	28.96	12	TQ(51)649047
"	Heathfield	34.91	305	TQ(51)564202
"	Jervington	33.03	274	TQ(51)563013
"	Friston, Water Tower	32.14	389	TV(50)553984
"	Friston	31.63	104	TV(50)545986
"	Seaford, Newlands	29.26	150	TV(50)495997
"	Holywell P. Station	32.20	124	TQ(51)369276
"	North Chailey	31.25	250	TQ(51)372212
"	Barcombe Mills	33.14	20	TQ(51)432148
"	Lewes, The Avenue	33.49	130	TQ(51)408103
"	Balsdean P. Station	31.50	188	TQ(51)378046
"	Balsdean Reservoir	32.20	399	TQ(51)374045
"	Ovingdean	29.46	161	TQ(51)359034
"	Falmer	36.20	200	TQ(51)342084
"	Patcham W. Works	31.20	205	TQ(51)294091
"	Brighton	27.07	32	TQ(51)313054
	West Sussex River Board			
Sussex	Knepp Castle	31.40	60	TQ(51)155218
"	Washington	34.28	75	TQ(51)118135
"	Hurstpierpoint	31.81	140	TQ(51)280166
"	Shermanbury Grange	29.12	39	TQ(51)203192
"	Newtimber Place	33.48	157	TQ(51)270138
"	Shoreham W. Works	31.41	9	TQ(51)210068
"	North End	36.15	211	TQ(51)119097
"	Ferring	28.81	26	TQ(51)091019
"	Littlehampton	28.24	15	TQ(51)033018
"	Horsham, Pondtail	30.48	150	TQ(51)167304
"	Horsham, North Parade	30.25	166	TQ(51)172317
"	Horsham, Rushams Rd.	30.83	140	TQ(51)169313
"	Horsham S. Works	29.45	120	TQ(51)160302
"	Rusper	32.45	260	TQ(51)190363
"	Kirdford	29.20	150	SU(41)999278
Hampshire	Greatham	33.32	260	SU(41)773301
Sussex	Fyning	33.70	230	SU(41)812241
"	Rogate	33.71	210	SU(41)812240
"	South Harting	38.54	250	SU(41)787198
"	Midhurst	34.14	135	SU(41)885216
"	Furnhurst	34.85	229	SU(41)906267
"	Gorehill	35.47	125	SU(41)985201
"	Barlavington Farm	38.52	175	SU(41)971161
"	Hardham P. Station	35.78	30	TQ(51)033176
"	Parham House	34.29	98	TQ(51)060144
"	Sutton, Hurst Cottage	36.89	190	SU(41)979151

TABLE II Estimated Annual Averages of Rainfall (in inches), 1916-1950 for short-period stations. (Kent, East Sussex and West Sussex River Board Areas) (continued)

County	Station	Annual Average in.	Alt. ft.	N.G.R.
	West Sussex River Board (continued)			
Sussex	Bignor Park	38.21	140	SU(41)990155
"	Bignor	38.47	135	SU(41)984144
"	Arundel Castle	31.46	106	TQ(51)015072
"	Patching P. Station	32.95	118	TQ(51)092074
"	West Walberton	30.89	65	SU(41)960064
"	Bognor Regis	28.75	24	SZ(40)934989
"	Birdham	28.48	16	SU(41)824004
"	Chichester, West Street	29.75	40	SU(41)858049
"	Funtington P. Station	31.39	112	SU(41)811081
"	Chidham	28.11	14	SU(41)791036
"	Cobnor House	29.92	12	SU(41)792024
"	Thorney Island	26.80	10	SU(41)756027
"	Stansted Park	32.32	160	SU(41)760101

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TABLE III. Monthly and Annual Averages of Rainfall, 1916-1950, estimated for short-period stations (in inches)
Kent, East Sussex and West Sussex River Board Areas

County	Station	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Kent	Goudhurst	3.42	2.40	2.10	2.33	2.10	1.77	2.53	2.76	2.43	3.64	3.94	3.42	32.84
"	Sittingbourne	1.99	1.90	2.09	1.71	1.79	2.29	2.32	2.32	2.13	3.37	2.93	2.76	27.60
"	Throwley	2.45	2.26	2.45	1.91	1.94	2.41	2.38	2.60	2.45	3.82	3.32	3.35	31.34
"	Whitstable	1.94	1.34	1.34	1.56	1.45	1.30	1.97	1.92	1.73	2.48	2.61	1.97	21.61
"	Herne Bay	2.07	1.45	1.41	1.64	1.55	1.34	2.07	2.00	1.80	2.59	2.71	2.11	22.74
"	Wye	3.01	2.22	1.92	2.16	2.10	1.61	2.53	2.50	2.28	3.41	3.59	3.10	30.43
"	Dover, Royal Military School	3.30	2.27	1.94	2.24	2.14	1.73	2.77	2.67	2.70	3.87	4.34	3.40	33.37
Sussex	Hastings	2.85	2.00	1.80	1.94	1.74	1.54	2.26	2.25	2.20	3.25	3.60	3.11	28.54
"	Bexhill	2.85	1.97	1.78	1.89	1.72	1.52	2.14	2.26	2.23	3.21	3.55	3.07	28.19
"	Brighton	2.82	1.92	1.73	1.81	1.62	1.54	2.17	2.27	2.17	2.84	3.36	2.82	27.07
"	Littlehampton	3.02	2.09	1.81	1.86	1.81	1.58	2.20	2.29	2.17	3.02	3.42	2.97	28.24
"	Bognor Regis	3.16	2.21	1.90	1.96	1.87	1.52	2.10	2.33	2.21	3.08	3.36	3.05	28.75
Kent	Folkstone	2.56	1.85	1.56	1.85	1.71	1.40	2.22	2.03	2.14	3.06	3.32	2.69	26.39

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Table IVa. 35-year daily totals of rainfall (in inches), 1916-1950

East Malling

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	3.70	4.59	1.42	2.39	3.22	1.89	1.68	3.31	2.00	1.47	5.26	3.64
2	2.83	3.28	1.82	2.36	1.68	1.59	1.74	4.04	2.19	2.53	5.11	3.32
3	1.97	3.55	1.76	3.21	3.37	1.83	2.66	3.20	2.25	3.08	3.32	2.10
4	1.60	1.56	2.21	1.87	1.23	1.80	2.06	2.73	1.66	2.70	2.18	2.81
5	1.85	2.78	2.55	2.65	2.78	1.35	2.21	3.32	1.81	2.13	4.92	2.30
6	3.68	1.57	2.49	2.51	2.14	2.04	3.78	2.10	1.73	2.09	4.48	3.04
7	3.10	3.14	2.88	1.26	2.58	1.58	.80	2.41	1.42	3.54	4.09	1.84
8	2.40	2.23	1.15	2.40	1.58	1.30	1.61	2.34	.83	2.62	4.61	3.51
9	3.36	1.94	.55	1.36	1.93	1.76	2.08	3.01	1.73	2.73	3.87	2.46
10	3.81	1.56	2.04	1.80	2.51	2.66	3.12	2.24	2.81	1.61	4.36	3.24
11	3.85	1.77	1.97	3.03	1.46	1.33	1.41	2.89	1.50	3.75	5.13	1.51
12	2.68	2.54	1.73	1.48	1.96	1.95	1.68	3.09	3.60	3.52	2.69	1.23
13	3.34	2.03	2.60	1.95	.57	1.87	1.91	1.93	1.96	2.88	3.56	2.66
14	1.92	1.16	1.91	1.66	2.28	3.88	3.59	1.60	4.29	2.33	3.13	3.68
15	2.99	1.27	1.29	2.98	2.23	.65	5.97	2.92	1.91	2.66	3.54	1.49
16	1.76	2.35	2.48	2.80	2.60	1.10	2.68	3.65	1.63	2.24	4.70	2.85
17	2.49	2.13	2.23	1.85	1.57	1.79	2.80	1.44	3.31	3.10	2.61	1.86
18	3.87	1.47	1.01	1.85	1.45	2.48	3.18	3.82	3.54	2.77	3.89	3.09
19	2.47	2.01	1.82	2.24	2.60	2.35	1.61	2.05	3.77	4.76	2.40	2.51
20	2.09	1.66	1.40	2.70	3.33	1.97	3.54	2.78	3.44	6.16	5.53	1.40
21	2,06	1.78	1.51	1.22	2.13	1.17	4.30	1.95	2.66	4.21	4.29	4.12
22	1.97	1.49	2.05	.94	1.21	2.35	2.92	2.38	2.99	5.24	2.19	3.19
23	2.46	1.50	1.06	3.10	3.97	2.46	2.19	1.97	3.10	5.06	2.73	2.59
24	2.33	2.78	1.11	1.93	2.43	1.54	1.92	4.49	2.28	3.26	1.88	3.39
25	2.85	4.54	3.35	4.38	2.69	.85	2.47	2.02	1.52	3.00	2.37	3.56
26	2.46	3.63	1.86	2.06	3.53	1.41	4.98	1.41	2.49	6.52	2.76	4.01
27	2.84	2.54	1.45	4.83	1.72	2.09	2.27	2.62	3.60	2.27	3.50	4.00
28	3.71	1.81	1.25	2.59	1.68	3.68	3.94	2.04	2.01	1.89	3.25	3.21
29	2.85	.61	2.05	3.65	2.30	1.25	2.14	4.24	3.03	3.13	3.15	3.18
30	3.61	-	2.05	3.56	1.82	1.88	2.96	2.53	2.03	2.27	2.28	4.95
31	3.87	-	2.31	-	1.64	-	2.56	1.36	-	3.72	-	3.90

Table IVa. 35-year daily totals of rainfall (in inches), 1916-1950

Ashford

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	5.42	4.68	1.73	2.93	1.91	3.55	2.24	4.82	2.23	2.33	8.03	3.13
2	3.47	2.90	2.44	3.03	2.51	1.40	1.32	3.03	.94	4.35	4.64	3.86
3	2.89	4.01	1.07	3.32	3.61	2.18	3.18	5.58	2.03	3.75	5.29	2.29
4	2.20	2.49	2.43	1.70	.84	2.20	2.93	2.07	1.21	3.49	1.91	3.47
5	2.18	2.54	2.74	2.38	3.02	1.40	3.04	2.55	3.05	1.67	6.07	3.79
6	3.30	2.30	3.28	2.73	2.09	1.40	2.91	2.78	1.14	4.52	4.81	3.32
7	3.45	3.74	3.31	1.62	4.02	1.43	1.33	2.34	1.70	2.83	3.84	2.56
8	2.96	2.87	1.74	1.67	1.89	1.10	1.91	2.91	1.46	4.14	5.71	5.30
9	3.48	2.28	.68	1.62	1.98	2.50	3.03	3.07	1.23	3.38	4.39	4.11
10	4.91	2.70	2.61	2.00	2.41	2.34	1.94	2.91	2.50	2.34	4.76	4.05
11	5.56	2.23	2.57	1.79	1.44	1.42	.95	2.23	1.31	2.83	4.29	3.15
12	3.10	2.33	2.20	2.28	2.67	2.11	2.03	2.59	3.95	2.25	2.51	1.33
13	3.83	2.36	2.38	1.52	1.23	2.32	2.26	1.89	4.10	3.69	4.32	2.70
14	4.12	1.27	1.69	2.51	2.33	2.65	5.24	1.34	3.43	2.52	3.14	2.62
15	2.35	2.12	.93	3.71	2.86	1.33	3.28	1.99	2.28	2.96	3.99	2.43
16	2.88	2.76	2.37	3.45	3.11	1.20	2.11	4.74	1.89	2.36	4.17	3.91
17	3.14	2.28	2.04	2.09	1.73	1.14	3.11	1.85	3.76	3.66	4.09	1.65
18	4.12	3.37	1.29	2.05	1.57	1.72	1.65	2.61	2.53	2.90	5.59	3.23
19	2.90	1.64	2.10	2.91	1.29	2.51	1.94	1.44	3.86	4.30	4.09	2.81
20	2.27	1.78	2.56	1.58	2.55	2.03	3.41	3.85	4.64	7.08	4.56	2.26
21	2.16	2.77	1.82	1.72	2.54	1.84	3.38	2.06	2.66	4.67	3.43	5.06
22	2.73	2.16	2.58	.99	.90	2.33	2.43	2.33	3.49	4.94	2.51	4.14
23	2.69	2.16	2.76	2.87	3.43	1.55	2.76	3.27	4.18	6.89	3.00	2.78
24	2.23	2.41	1.41	1.84	1.67	1.43	2.53	3.30	3.94	3.36	2.49	3.52
25	3.97	4.74	2.59	5.17	2.67	.55	4.44	2.19	2.25	3.66	3.63	3.86
26	2.91	4.18	2.00	2.12	2.92	1.75	5.11	1.67	2.53	6.61	3.38	4.45
27	3.12	3.06	1.82	3.10	2.46	1.39	3.21	1.91	2.08	4.80	3.55	5.07
28	4.01	2.07	1.16	2.39	2.30	2.23	2.42	3.97	2.71	2.44	4.62	3.56
29	3.50	.56	3.10	2.62	3.30	1.45	2.20	4.30	3.15	4.00	3.14	4.16
30	3.51	-	1.28	2.93	3.32	2.43	3.57	1.93	2.30	3.39	3.03	5.24
31	4.19	-	2.39	-	1.96	-	2.59	2.17	-	5.46	-	4.32

G.18638/CJH/8/63/75.

Table IVa. 35-year daily totals of rainfall (in inches), 1916-1950

Hastings.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	3.80	3.48	1.33	2.68	1.62	2.92	1.77	4.87	1.23	2.49	8.76	3.85
2	3.73	3.96	1.82	4.11	1.16	1.74	1.40	1.43	1.22	3.62	3.82	4.22
3	3.43	3.79	1.34	3.62	3.19	2.50	3.48	3.54	1.67	3.91	5.30	2.57
4	2.24	3.62	3.52	1.64	1.78	2.50	3.29	2.35	1.70	2.59	1.81	3.08
5	2.83	2.32	3.15	1.93	2.61	1.25	1.86	2.04	1.93	2.67	6.97	3.92
6	2.92	1.92	2.55	2.82	1.70	1.78	2.23	3.29	1.72	3.37	4.79	3.24
7	3.33	3.21	2.33	2.50	1.87	1.19	1.42	1.65	1.60	4.07	3.72	2.78
8	2.59	1.83	1.38	1.07	1.66	1.68	1.31	2.20	1.75	3.81	7.47	4.61
9	2.86	2.55	.59	2.08	1.62	2.17	2.84	1.87	.99	2.75	4.65	3.67
10	4.54	1.61	2.25	1.47	1.38	2.54	3.51	2.17	2.33	3.86	4.49	4.43
11	6.08	1.77	2.20	1.41	1.48	1.44	.87	1.66	1.31	3.14	4.99	2.47
12	3.36	1.86	1.20	2.09	1.23	2.34	1.31	1.93	3.82	3.55	2.33	1.02
13	4.89	1.95	2.71	1.27	2.46	2.64	1.06	2.02	3.62	2.65	4.90	2.10
14	2.38	.93	1.89	2.60	2.14	1.63	5.31	1.86	4.23	4.98	3.32	4.59
15	3.81	1.85	1.03	4.05	2.94	1.00	4.11	2.55	1.52	1.82	4.49	2.48
16	2.44	3.13	2.64	2.52	1.88	1.89	4.54	4.23	2.31	3.64	5.76	2.96
17	2.38	2.11	2.51	1.61	1.97	2.38	2.54	2.62	3.54	3.21	3.53	2.20
18	3.82	2.29	1.07	1.92	1.18	1.60	2.01	1.06	5.78	2.76	4.35	3.76
19	3.41	1.67	1.95	2.84	1.83	.96	2.44	3.13	4.40	2.61	3.79	1.67
20	2.60	1.65	1.50	1.88	3.03	2.23	4.43	3.05	3.35	8.13	5.30	1.94
21	2.56	2.13	2.29	1.83	2.73	.82	1.46	1.62	3.97	4.48	3.17	5.48
22	2.30	1.59	2.34	1.19	.91	1.77	2.59	3.63	3.42	6.24	4.08	4.35
23	2.43	1.78	2.38	2.65	2.28	1.17	2.21	2.84	4.11	5.96	3.45	3.68
24	2.88	2.89	2.16	2.63	2.16	1.04	2.19	5.04	2.89	4.60	2.21	2.97
25	3.95	4.26	3.14	3.86	2.22	.66	3.78	.62	2.60	3.73	3.97	4.33
26	2.70	5.01	2.16	1.97	2.12	1.96	4.27	1.97	2.09	5.10	3.26	4.22
27	3.18	2.60	2.24	2.14	2.17	1.87	3.03	2.04	1.24	2.96	4.24	4.58
28	3.30	2.38	1.65	2.04	.88	2.85	2.67	4.06	2.29	3.30	4.07	4.73
29	4.03	.35	3.31	2.45	3.31	1.95	2.62	3.82	3.39	3.39	3.26	3.83
30	3.60	-	1.39	2.16	2.01	2.45	2.40	3.51	2.56	2.30	1.70	6.96
31	3.80	-	2.39	-	2.21	-	1.59	1.91	-	4.55	-	4.43

G.18638/CJH/8/63/75.

Table IVa. 35-year daily totals of rainfall (in inches), 1916-1950

Edenbridge, Falconhurst.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	5.31	6.12	1.88	3.19	3.02	2.02	1.48	4.89	2.48	1.50	5.68	4.60
2	3.30	4.75	2.22	3.45	2.74	2.43	1.69	3.35	2.61	3.22	4.49	3.97
3	2.92	4.29	1.98	4.70	4.16	1.39	3.06	3.13	2.85	4.65	4.26	2.69
4	2.03	3.18	2.96	2.50	1.32	2.84	2.22	3.27	2.42	2.89	2.47	3.44
5	2.29	3.63	3.22	3.32	4.32	1.59	2.95	3.80	2.45	2.65	6.49	3.21
6	3.46	2.16	3.41	2.95	2.03	2.66	3.06	2.93	2.51	2.61	5.34	3.34
7	3.43	3.86	2.56	2.10	2.11	2.52	1.74	3.54	1.27	2.97	4.59	3.70
8	2.64	2.94	1.39	1.97	1.77	1.90	2.79	2.36	1.90	3.81	5.51	4.36
9	4.04	2.17	.39	2.08	2.62	2.71	4.71	3.22	2.41	3.12	4.93	4.07
10	5.66	2.64	2.44	2.41	2.89	2.31	3.59	2.16	2.02	2.46	5.96	3.00
11	4.31	1.90	1.97	2.40	1.22	1.60	2.47	3.36	1.18	4.87	7.20	2.82
12	3.27	2.72	2.17	1.64	1.76	2.95	2.38	4.79	4.86	2.20	3.81	1.62
13	4.07	2.61	3.32	2.43	.81	1.79	1.95	2.35	2.49	3.67	4.26	3.43
14	2.79	1.55	2.20	2.90	1.34	3.69	5.46	2.62	4.01	3.23	3.63	4.20
15	3.84	1.38	1.81	3.23	2.03	.74	5.11	3.63	2.33	2.53	3.55	2.57
16	2.18	3.41	3.52	2.89	2.17	1.56	1.86	4.62	2.26	3.11	6.44	3.90
17	3.45	2.46	1.84	1.74	1.86	1.70	3.24	2.16	3.85	4.15	3.40	1.95
18	5.24	1.64	1.42	2.20	2.26	2.99	2.63	3.19	3.52	3.03	6.22	3.83
19	3.69	1.77	2.53	2.10	1.44	1.96	3.75	2.06	4.46	5.33	3.26	2.37
20	2.63	2.87	1.47	2.66	2.46	2.40	4.07	3.48	4.07	6.60	6.40	1.91
21	2.67	2.94	1.89	2.21	2.80	1.02	4.31	2.70	2.34	5.17	3.89	5.22
22	3.30	1.51	2.74	1.02	1.98	2.12	2.97	2.99	3.93	5.94	2.77	4.48
23	3.65	2.08	1.67	3.17	3.48	2.22	2.42	3.62	3.04	7.19	4.05	2.98
24	3.19	3.36	1.53	2.89	1.78	3.75	1.65	5.05	2.95	3.90	2.82	3.52
25	3.23	5.29	3.93	4.81	3.65	1.41	2.85	2.23	2.54	4.76	2.62	3.49
26	3.24	5.00	1.98	3.17	3.56	1.35	5.43	1.91	1.48	5.34	3.10	5.32
27	3.33	4.06	2.10	3.37	1.96	2.55	2.69	4.23	2.50	2.95	4.26	4.36
28	4.50	2.61	2.22	1.75	2.58	2.90	3.60	2.87	2.14	2.64	4.03	3.90
29	3.90	.80	2.62	2.77	4.60	1.07	1.18	3.88	2.90	3.74	3.70	3.73
30	3.96	-	1.96	2.81	1.81	3.22	2.83	3.66	2.43	2.45	3.77	6.48
31	5.11	-	3.50	-	2.45	-	2.51	3.71	-	4.49	-	4.38

G.18638/CJH/8/63/75.

Table IVa. 35-year daily totals of rainfall (in inches), 1916-1950

Brighton, Mile Oak.

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	5.33	4.81	1.53	3.16	1.61	1.86	2.67	4.00	2.37	1.82	8.09	3.75
2	3.04	5.13	2.47	3.04	1.18	1.71	1.72	3.48	2.11	3.43	4.01	4.41
3	2.98	4.56	2.27	5.10	3.38	2.13	3.38	3.69	2.95	4.64	4.22	2.77
4	2.12	3.26	3.30	2.08	2.56	5.33	3.24	3.07	2.27	3.32	2.37	4.34
5	2.74	2.83	3.11	3.11	1.85	1.77	3.06	2.61	1.87	1.99	6.00	2.85
6	5.73	2.45	2.91	2.31	2.19	2.61	2.79	3.19	2.37	2.10	6.95	3.54
7	3.54	3.61	2.36	1.81	2.60	1.60	.64	1.98	1.09	3.25	4.22	3.45
8	2.88	2.80	1.05	1.27	1.80	1.65	1.80	2.28	1.58	3.96	6.35	4.03
9	3.30	1.85	1.10	1.89	1.49	2.35	3.84	2.58	2.20	3.35	6.16	3.02
10	5.06	1.89	2.86	1.86	2.59	2.10	4.29	2.30	1.78	3.22	4.98	3.64
11	4.38	1.53	1.98	2.39	.97	1.44	1.09	1.99	.96	4.69	6.21	3.64
12	3.44	2.60	1.88	2.48	1.83	2.50	1.94	1.92	4.87	1.60	3.40	.97
13	4.81	1.71	2.47	2.68	.89	1.96	2.09	1.56	3.40	3.96	5.16	2.65
14	3.20	1.87	2.05	2.29	1.86	2.45	4.45	1.62	5.07	3.68	4.14	4.39
15	4.76	1.55	2.50	3.37	3.00	1.07	3.91	3.12	2.34	2.56	4.61	3.61
16	2.27	3.59	3.21	2.47	1.77	1.56	1.93	6.10	2.78	3.46	6.70	3.29
17	3.06	2.68	2.74	1.72	1.61	1.92	4.30	1.58	3.97	3.86	3.02	2.32
18	5.01	1.69	1.33	1.60	2.04	2.76	1.86	3.44	4.75	1.88	5.94	4.05
19	3.99	2.93	2.64	1.70	1.40	1.90	2.31	3.48	5.09	4.30	4.27	2.32
20	3.13	1.72	1.85	2.59	1.81	3.67	3.65	3.08	3.63	8.11	5.10	1.93
21	2.48	2.04	2.05	2.60	2.15	.52	3.08	1.96	2.90	5.43	3.63	4.82
22	2.97	1.91	2.36	1.05	1.35	1.40	2.33	4.63	4.52	6.71	3.38	4.71
23	3.03	2.44	1.89	2.81	3.01	1.75	2.20	3.33	4.09	5.04	4.32	3.70
24	3.65	3.03	1.73	2.28	2.42	1.11	2.77	3.66	3.78	3.96	2.22	4.01
25	4.00	4.88	3.54	5.13	2.35	.81	2.66	2.44	2.55	3.95	2.66	4.06
26	3.55	5.49	1.63	2.39	2.85	1.26	4.99	1.85	1.66	4.71	3.45	4.97
27	4.15	2.85	1.96	3.00	3.39	3.23	3.50	3.03	1.96	2.15	5.16	5.45
28	5.01	1.87	2.29	2.16	2.59	3.72	3.46	3.32	2.07	2.49	3.30	4.45
29	4.13	.73	3.05	2.57	3.57	1.34	.95	4.13	3.76	3.65	3.14	4.47
30	3.41	-	2.37	2.10	2.38	3.05	2.88	3.67	2.75	3.25	3.39	5.58
31	4.57	-	3.01	-	2.16	-	2.26	2.58	-	3.93	-	4.13

G.18638/CJH/8/63/75.

Table IVa. 35-year daily totals of rainfall (in inches), 1916-1950

Compton House

Day	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
1	7.07	6.16	2.77	3.70	2.52	2.92	4.43	4.51	2.86	3.06	8.20	6.66
2	4.32	6.04	2.28	5.05	2.33	1.97	2.46	3.27	5.00	2.62	4.89	4.70
3	4.53	4.57	3.08	6.22	3.67	1.93	2.94	4.03	4.44	5.45	4.73	3.15
4	3.15	3.98	4.00	1.79	2.76	3.63	3.35	3.58	2.03	4.15	3.87	4.41
5	3.14	3.80	4.62	4.15	5.00	1.94	6.13	3.33	2.28	3.01	5.90	3.41
6	7.39	2.84	3.36	3.19	2.02	3.41	2.80	3.97	2.41	2.72	5.44	3.92
7	4.06	4.25	3.27	2.03	4.43	2.46	.91	3.48	1.58	4.10	5.58	5.57
8	3.05	3.49	1.33	1.98	3.03	2.23	2.56	1.69	3.04	4.50	5.45	4.29
9	3.96	2.63	1.16	2.62	1.33	1.92	3.81	2.96	3.03	2.70	5.49	4.64
10	7.51	3.03	3.30	2.29	2.92	1.93	4.39	2.50	2.26	2.69	4.34	4.98
11	5.39	2.23	1.86	3.57	1.68	2.07	1.91	2.56	1.41	4.66	8.02	4.27
12	4.52	4.19	2.42	2.03	1.81	3.35	4.46	2.71	5.67	2.64	3.04	1.37
13	4.77	2.13	3.64	4.26	.91	1.88	4.72	2.13	4.12	4.03	6.55	4.36
14	4.42	2.00	2.54	3.68	1.19	2.70	5.39	3.05	6.62	3.46	4.14	5.98
15	5.54	1.85	2.26	3.48	2.68	1.61	4.99	3.04	2.46	3.31	4.99	6.75
16	2.90	4.15	3.82	2.96	2.03	3.27	.75	3.90	4.19	4.10	7.65	2.60
17	4.16	3.31	2.60	2.49	2.46	2.13	3.78	2.65	3.63	5.58	4.03	3.62
18	6.50	2.33	1.76	1.75	2.59	3.92	2.24	3.79	4.20	3.35	6.25	3.68
19	3.99	2.55	4.57	2.47	1.53	1.30	2.64	3.46	4.11	5.16	5.26	2.57
20	4.07	2.67	2.12	3.07	2.37	2.97	3.98	4.64	5.26	7.12	6.31	2.36
21	3.23	3.05	1.97	2.15	1.87	.66	3.46	4.66	2.54	5.99	4.90	5.83
22	5.22	2.65	3.01	1.37	1.73	3.25	3.30	4.37	4.27	7.14	4.25	5.25
23	4.19	3.05	2.55	2.88	4.15	1.88	1.76	4.77	3.51	6.99	6.01	4.94
24	3.93	3.57	2.01	2.98	3.43	1.04	2.52	3.34	3.90	4.23	3.19	4.47
25	4.59	5.78	3.39	5.18	3.69	1.09	4.82	2.30	4.47	6.39	2.50	4.51
26	3.93	6.64	2.03	2.65	4.02	2.10	7.08	2.58	1.18	6.59	2.86	5.83
27	4.92	4.15	2.46	2.68	4.73	2.19	4.74	4.41	1.70	4.30	6.70	6.70
28	7.14	1.95	2.81	2.07	2.79	4.36	4.63	5.09	2.03	2.24	4.39	4.61
29	5.17	1.50	2.98	1.87	5.37	2.61	1.06	5.03	3.39	4.13	2.23	4.53
30	4.92	–	2.51	1.68	2.90	3.45	2.66	4.61	2.41	3.41	5.56	6.83
31	6.97	–	4.49	–	2.15	–	1.81	1.25	–	5.85	–	4.89

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Table IVb Rainfall totals in inches, divided by 35, thus giving 35-year means ranging from 'trace' to .70 in., for use with table IVa.

Totals in inches x	35 yr means $x/35$	Totals in inches x	35 yr means $x/35$
- .17	'trace'	12.43 - 12.77	.36
.18 - .52	.01	12.78 - 13.12	.37
.53 - .87	.02	13.13 - 13.47	.38
.88 - 1.22	.03	13.48 - 13.82	.39
1.23 - 1.57	.04	13.83 - 14.17	.40
1.58 - 1.92	.05	14.18 - 14.52	.41
1.93 - 2.27	.06	14.53 - 14.87	.42
2.28 - 2.62	.07	14.88 - 15.22	.43
2.63 - 2.97	.08	15.23 - 15.57	.44
2.98 - 3.32	.09	15.58 - 15.92	.45
3.33 - 3.67	.10	15.93 - 16.27	.46
3.68 - 4.02	.11	16.28 - 16.62	.47
4.03 - 4.37	.12	16.63 - 16.97	.48
4.38 - 4.72	.13	16.98 - 17.32	.49
4.73 - 5.07	.14	17.33 - 17.67	.50
5.08 - 5.42	.15	17.68 - 18.02	.51
5.43 - 5.77	.16	18.03 - 18.37	.52
5.78 - 6.12	.17	18.38 - 18.72	.53
6.13 - 6.47	.18	18.73 - 19.07	.54
6.48 - 6.82	.19	19.08 - 19.42	.55
6.83 - 7.17	.20	19.43 - 19.77	.56
7.18 - 7.52	.21	19.78 - 20.12	.57
7.53 - 7.87	.22	20.13 - 20.47	.58
7.88 - 8.22	.23	20.48 - 20.82	.59
8.23 - 8.57	.24	20.83 - 21.17	.60
8.58 - 8.92	.25	21.18 - 21.52	.61
8.93 - 9.27	.26	21.53 - 21.87	.62
9.28 - 9.62	.27	21.88 - 22.22	.63
9.63 - 9.97	.28	22.23 - 22.57	.64
9.98 - 10.32	.29	22.58 - 22.92	.65
10.33 - 10.67	.30	22.93 - 23.27	.66
10.68 - 11.02	.31	23.28 - 23.62	.67
11.03 - 11.37	.32	23.63 - 23.97	.68
11.38 - 11.72	.33	23.98 - 24.32	.69
11.73 - 12.07	.34	24.33 - 24.67	.70
12.08 - 12.42	.35		

TABLE V, Accumulated Frequencies of Daily Rainfall Amounts (in inches) 1916-1950.

East Malling

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All months
IV 2.50													
2.40													
2.30													
2.20													
2.10													
2.00													
1.90													
1.80								1					1
1.70								1	1				2
1.60						1		1	1		1		4
1.50						1	1	1	2	2	1		8
1.40						2	4	3	2	3	1		15
1.30		1		1		2	6	3	2	4	1		20
1.20	1	1		2		2	8	5	2	4	3		28
1.10	1	1		2	1	3	8	6	3	4	4	2	35
1.00	2	1		3	2	4	9	7	4	8	7	3	50
0.90	4	2	1	3	3	6	12	12	6	15	11	5	80
0.80	4	6	4	5	8	6	14	13	8	20	17	7	112
0.70	6	8	5	9	13	9	20	18	12	26	32	12	170
0.60	12	13	10	16	19	13	26	29	19	38	41	24	260
0.50	26	22	17	20	25	22	36	41	31	48	61	32	381
0.40	41	39	27	32	41	31	65	56	48	67	93	49	589
0.30	81	66	52	65	70	53	94	84	80	108	131	100	984
0.20	152	108	104	125	120	89	136	136	129	176	188	160	1623
0.10	293	204	187	247	207	166	224	229	205	268	284	291	2805
IV 0.005	594	453	427	484	428	367	430	431	455	500	534	587	5690
* VI 0.004	491	536	658	566	657	683	655	654	595	585	516	498	7094
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

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TABLE V. Accumulated Frequencies of Daily Rainfall Amounts (in inches) 1916-1950.

Ashford

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All months
AT 2.50													
2.40													
2.30													
2.20													
2.10										1			1
2.00										1			1
1.90							1			1	1		3
1.80							1	1		2	1		5
1.70	1						3	1		2	2	1	10
1.60	1						3	1		2	2	1	10
1.50	1						3	1	1	3	2	1	12
1.40	1	1					3	3	1	4	2	1	16
1.30	3	1					4	6	1	5	2	4	26
1.20	3	1		2			4	7	2	7	4	5	35
1.10	3	2		2	1		5	7	3	10	7	7	47
1.00	3	2	1	2	2	1	9	11	5	14	12	9	71
0.90	7	3	2	4	7	3	12	16	9	18	15	9	105
0.80	10	7	3	4	9	4	19	17	11	23	19	12	138
0.70	15	13	8	4	12	7	23	26	20	33	24	16	201
0.60	22	17	13	12	24	14	32	29	28	47	41	28	307
0.50	34	28	17	19	34	22	42	35	37	67	69	49	453
0.40	54	53	35	37	52	35	56	55	61	96	101	71	706
0.30	110	83	62	67	80	55	87	92	87	129	153	117	1122
0.20	191	139	119	129	132	98	134	141	127	203	220	197	1830
0.10	336	230	214	251	209	169	236	234	213	294	325	335	3046
AT 0.005	650	531	481	525	453	800	462	481	477	565	595	623	6643
*AT 0.004	435	458	604	525	632	250	623	604	573	520	455	462	6141
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

G.18638/CJH/8/63/75.

TABLE V. Accumulated Frequencies of Daily Rainfall Amounts (in inches) 1916-1950.

Hastings

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All months
V 2.50													
2.40													
2.30										1			1
2.20										1			1
2.10							1			1			2
2.00							1			1	1		3
1.90							1			1	1		3
1.80							1			1	1		3
1.70							1	1		1	1		4
1.60	1						1	3		2	2		9
1.50	1						2	3		3	3		12
1.40	2						2	4		3	3		14
1.30	2						3	4		5	3		17
1.20	3	1					4	5		6	3	2	24
1.10	4	3			1	1	5	6	2	11	10	2	45
1.00	5	3			1	2	9	10	5	13	13	6	67
0.90	7	3	3	2	2	6	12	11	8	21	21	8	104
0.80	10	6	7	3	4	7	14	15	10	26	27	10	139
0.70	13	8	10	7	8	8	25	20	14	36	37	23	209
0.60	19	13	11	8	15	13	32	29	25	51	58	36	310
0.50	30	26	22	16	24	22	46	41	42	67	84	55	475
0.40	58	52	40	36	40	36	60	59	62	103	113	93	752
0.30	120	80	71	68	66	55	82	87	96	136	154	142	1157
0.20	194	127	112	134	115	93	133	133	140	195	229	208	1813
0.10	327	218	210	236	193	162	214	221	227	295	310	323	2936
IV 0.005	597	453	414	451	390	356	389	406	406	491	525	560	5438
*VI 0.004	488	536	671	599	695	694	696	679	644	594	525	525	7346
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

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TABLE V. Accumulated Frequencies of Daily Rainfall Amounts (in inches) 1916-1950.

Edenbridge, Falconhurst

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All months
IV 2.50													
2.40													
2.30													
2.20						1		1					2
2.10						1		1					2
2.00						1		2					3
1.90						1	1	2					4
1.80						1	1	2			1		5
1.70						1	2	3		1	1		8
1.60						1	2	3		2	1		9
1.50						1	2	4		3	1		11
1.40	1	1		1	1	1	4	5		3	2		19
1.30	1	1		1	1	1	4	7	1	3	2		22
1.20	1	3		1	1	3	5	9	3	5	9	1	41
1.10	3	5		1	1	3	6	11	4	8	12	3	57
1.00	5	7	1	2	1	5	10	16	6	9	16	5	83
0.90	7	12	3	2	1	7	13	19	7	12	25	8	116
0.80	12	14	7	6	8	12	16	26	8	22	32	13	176
0.70	17	19	11	11	16	14	23	30	14	35	45	23	258
0.60	29	31	15	11	23	20	31	38	25	52	66	38	379
0.50	48	44	25	25	33	29	51	52	34	73	81	55	550
0.40	74	56	42	40	46	38	67	74	52	97	118	79	783
0.30	124	87	79	86	76	60	103	111	96	146	155	134	1257
0.20	209	145	133	156	134	101	160	163	144	209	224	225	2003
0.10	352	254	226	273	244	193	257	258	252	293	320	320	3242
IV 0.005	611	464	429	485	414	374	444	458	446	527	550	585	5787
* VI 0.004	474	525	656	565	671	676	641	627	604	558	500	500	6997
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

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TABLE V. Accumulated Frequencies of Daily Rainfall (in inches) 1915-1950.

Brighton, Mile Oak.

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All months
IV 2.70								1					1
2.50								1					1
2.40								1					1
2.30								1					1
2.20								1					1
2.10	1							1	1				3
2.00	1						1	1	1				4
1.90	1						1	1	1				4
1.80	2						1	1	1	1			6
1.70	2					2	1	1	1	1	1		9
1.60	3					2	1	1	2	1	3		13
1.50	3	1			1	2	1	2	2	2	4		18
1.40	3	1		1	1	2	1	4	3	3	5	1	25
1.30	3	1		1	1	4	1	4	3	5	7	2	32
1.20	3	1		1	1	6	1	4	4	8	8	2	39
1.10	3	3	1	1	1	6	4	8	5	8	14	4	58
1.00	5	3	3	1	2	6	6	12	5	11	19	7	80
0.90	10	5	3	1	4	7	8	15	8	13	26	9	109
0.80	14	7	9	6	6	11	15	16	12	19	38	13	166
0.70	15	11	11	7	11	13	22	21	22	31	49	19	232
0.60	27	22	23	12	17	21	34	35	28	50	60	38	367
0.50	38	38	29	21	25	25	45	52	37	67	80	61	518
0.40	75	52	49	45	41	40	75	76	63	97	121	86	820
0.30	125	83	79	77	72	66	98	104	93	142	171	138	1248
0.20	218	141	122	140	127	104	143	156	155	193	225	211	1735
0.10	345	240	218	246	206	167	226	226	244	290	318	328	3054
IV 0.005	654	470	444	480	403	357	430	432	457	513	554	590	5784
* VI 0.004	431	519	641	570	682	693	655	653	593	572	496	495	7000
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

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TABLE V. Accumulated Frequencies of Daily Rainfall (in inches) 1916-1950

Compton House.

Daily Totals	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	All months
IV 2.90									1				1
2.60						1			1				2
2.50						1			1				2
2.40						1			1				2
2.30						1			1				2
2.20						1	1		2				4
2.10						1	1		2	1			5
2.00						1	1		2	1	2		7
1.90	1					1	1		2	2	2		9
1.80	1				1	1	1	1	2	2	2		11
1.70	1				1	1	2	2	2	2	2		13
1.60	1		1		1	1	3	2	2	3	4	1	19
1.50	2		1		1	1	3	2	2	3	5	1	21
1.40	2		1		1	1	4	4	3	3	6	1	26
1.30	3	2	1		1	2	7	8	4	6	8	2	44
1.20	5	2	1		2	3	9	8	6	8	12	5	61
1.10	7	5	2		4	5	11	12	9	13	14	9	91
1.00	9	10	5	3	8	5	15	16	9	17	20	13	130
0.90	15	10	9	8	11	5	17	18	11	25	30	19	178
0.80	23	17	13	10	17	10	23	26	17	37	40	28	261
0.70	31	25	17	19	26	14	38	35	23	52	55	47	382
0.60	59	40	26	31	35	27	47	55	34	69	78	61	562
0.50	90	56	45	44	43	34	58	67	49	87	102	80	755
0.40	130	80	65	61	60	49	78	80	69	124	138	121	1055
0.30	184	119	98	98	99	82	107	103	110	164	188	174	1526
0.20	268	178	148	157	151	123	178	175	164	215	242	264	2263
0.10	391	270	250	270	232	193	278	272	275	305	352	357	3445
IV 0.005	654	479	481	471	430	379	451	460	469	538	577	604	5993
* VI 0.004	431	510	604	579	655	671	634	625	581	547	473	481	6791
Total No. of days	1085	989	1085	1050	1085	1050	1085	1085	1050	1085	1050	1085	12784

* Including rainless days.

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TABLE VI. Maximum and Minimum Monthly and Annual Totals of Rainfall (in inches) 1916–50, with supplementary list covering extremes for the 50-year period, 1911–60.

			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
East Malling	1916–50	Max	1937 5.22	1916 4.32	1947 4.97	1926 4.77	1942 4.03	1948 4.42	1918 5.01	1946 5.03	1918 4.85	1949 7.50	1940 7.52	1929 1934 5.07	1927 37.33
		Min	1949 0.90	1934 0.32	1929 0.01	1938 0.41	1919 0.18	1921 0.14	1921 0.52	1947 0.01	1941 0.26	1947 0.39	1948 0.68	1931 0.40	1921 15.67
	Other Extremes 1911–60	Max	– –	1951 5.90	1914 5.61	– –	– –	– –	– –	– –	– –	– –	– –	1915 6.53	– –
		Min	1914 0.57	1959 0.09	– –	1912 0.09	– –	– –	– –	– –	1959 0.11	– –	– –	– –	– –
Ashford	1916–50	Max	1939 6.45	1950 5.29	1947 5.50	1926 4.21	1930 4.19	1936 4.15	1927 5.50	1917 8.28	1918 7.17	1939 9.89	1940 7.61	1934 6.90	1927 39.98
		Min	1916 1.17	1934 0.23	1929 0.13	1938 0.45	1936 0.32	1921 0.17	1921 0.41	1947 0.09	1941 0.38	1947 0.30	1945 0.95	1932 0.49	1921 13.71
	Other Extremes 1911–60	Max	– –	1951 6.43	– –	– –	1955 4.46	– –	– –	– –	– –	– –	– –	1915 7.30	1951 40.66
		Min	1914 0.96	1959 0.08	– –	1912 0.13	– –	– –	1911 0.19	– –	1959 0.18	– –	– –	– –	– –
Hastings	1916–50	Max	1939 5.39	1937 6.10	1947 6.46	1931 3.55	1924 4.28	1927 3.63	1936 4.62	1917 6.09	1918 6.42	1928 9.26	1940 8.07	1929 8.03	1937 38.66
		Min	1950 1.08	1934 0.22	1944 0.03	1938 0.73	1936 0.12	1921 0.05	1921 0.23	1940 0.00	1941 0.15	1947 0.19	1945 0.53	1932 0.33	1921 12.56
	Other Extremes 1911–60	Max	– –	– –	– –	– –	– –	1958 3.97	– –	– –	– –	– –	– –	– –	1960 42.17
		Min	1914 0.92	1959 0.06	– –	1912 0.05	– –	– –	– –	– –	– –	– –	– –	– –	– –

TABLE VI. Maximum and Minimum Monthly and Annual Totals of Rainfall (in inches) 1916-50, with supplementary list covering extremes for the 50-year period, 1911-60.

		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Year
Edenbridge														
1916-50	Max	1937	1950	1947	1931	1924	1926	1918	1917	1918	1939	1929	1929	1927
		6.94	5.92	6.06	4.11	3.88	4.12	6.09	7.53	5.72	7.90	9.03	7.96	43.12
	Min	1935	1934	1944	1938	1919	1925 1942	1949	1947	1929	1950	1945	1933	1921
		1.16	0.12	0.03	0.36	0.29	0.15	0.39	0.12	0.39	0.18	0.27	0.62	18.27
Other Extremes 1911-60	Max	-	1951	-	-	1955	-	-	-	-	-	-	1914	1951
		-	7.20	-	-	5.26	-	-	-	-	-	-	8.24	44.62
	Min	1914	1959	-	1912 1957	-	-	-	-	1959	-	-	-	-
		0.85	0.06	-	0.20	-	-	-	-	0.11	-	-	-	-
Brighton														
1916-50	Max	1943	1937	1937	1925	1924	1927	1920	1946	1927	1949	1929	1934	1927
		6.72	5.29	7.37	4.00	3.44	4.44	4.98	6.91	6.36	8.57	8.79	8.33	41.71
	Min	1935	1934	1929	1938	1919	1921	1949	1940	1941	1931	1945	1926	1921
		0.89	0.06	0.07	0.38	0.33	0.03	0.18	0.12	0.35	0.37	0.21	0.45	15.69
Other Extremes 1911-60	Max	-	1951	-	-	1915	-	-	1912	-	-	-	1915	1960
		-	5.84	-	-	4.22	-	-	7.73	-	-	-	9.02	48.34
	Min	1914	1959	-	1912	-	-	1955	-	1959	-	-	-	-
		0.77	0.05	-	0.04	-	-	0.06	-	0.13	-	-	-	-
Compton House														
1911-50	Max	1919	1950	1947	1922	1925	1946	1920	1946	1927	1949	1940	1934	1927
		7.61	6.69	8.20	4.59	5.35	5.13	6.50	7.30	7.18	9.67	9.83	11.72	48.86
	Min	1935	1934	1929	1938	1936	1925	1949	1940	1941	1919	1945	1926	1921
		0.97	0.05	0.15	0.07	0.40	0.02	0.31	0.02	0.32	0.58	0.45	0.34	20.38
Other Extremes 1911-60	Max	-	-	-	-	-	-	-	1912	-	-	1951	-	1960
		-	-	-	-	-	-	-	8.53	-	-	10.15	-	50.89
	Min.	1914	-	-	1912	1959	-	-	-	1959	-	-	-	-
		0.68	-	-	0.06	0.34	-	-	-	0.15	-	-	-	-

G.18638/CJH/8/63/75.

TABLE VII. Maximum Daily Rainfall (in inches) 1916-1950, with addition maxima for the 50-year period, 1911-1960.

			Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.
East Malling	1916-50	Max.	1918 1.20	1927 1.32	1916 0.90	1950 1.36	1917 1.12	1948 1.67	1947 1.52	1944 1.85	1938 1.75	1939 1.53	1931 1.64	1941 1.10
	1911-60	Max.	- -	1951 1.01	1914 1.06	- -	1915 1.33	- -	1955 1.68	- -	- -	1955 2.23	- -	1914 1.20
Ashford	1916-50	Max.	1939 1.72	1927 1.40	1947 1.01	1950 1.27	1946 1.19	1935 1.00	1917 1.90	1917 1.85	1918 1.50	1949 2.10	1934 1.90	1917 1.70
	1911-60	Max.	- -	- -	1951 1.10	- -	1915 1.41	1958 1.62	- -	- -	1912 2.14	1955 2.94	- -	- -
Hastings	1916-50	Max.	1943 1.63	1937 1.29	1947 0.95	1950 0.96	1924 1.18	1926 1.13	1947 2.19	1917 1.77	1927 1.17	1949 2.39	1934 2.06	1925 1.28
	1911-60	Max.	- -	- -	- -	- -	1955 1.32	1958 1.58	- -	1952 1.80	1912 2.20	- -	- -	- -
Edenbridge	1916-50	Max.	1918 1.40	1923 1.45	1933 1.05	1950 1.40	1929 1.40	1936* 2.22	1923 1.94	1938 2.26	1933 1.30	1949 1.75	1931 1.80	1943 1.20
	1911-60	Max.	- -	- -	1914 1.16	- -	1915 1.70	1958 1.66	- -	- -	1958 2.48	1955 2.22	- -	1914 1.25
Brighton	1916-50	Max.	1943 2.15	1929 1.54	1947 1.12	1923 1.44	1939 1.57	1917 1.79	1945 2.08	1946 2.78	1927 2.11	1949 1.83	1934 1.72	1923 1.40
	1911-60	Max.	- -	- -	- -	- -	1915 2.14	- -	- -	- -	1955 2.23	- -	- -	1960 1.56
Compton House	1916-50	Max.	1925 1.90	1925 1.34	1919 1.68	1925 1.07	1929 1.87	1917 2.65	1945 2.20	1925 1.85	1927 2.94	1928 2.15	1946 2.01	1944 1.62
	1911-60	Max.	- -	1957 1.55	- -	- -	- -	- -	- -	1951 2.33	- -	- -	- -	1914 2.59

* Taken from Speldhurst Rectory.

Appendix I

Intense falls of Rain in 2 hours or less, 1860-1960
Extracted from British Rainfall

(Arranged chronologically, in county order).

Key at end.

Year	Class	Station	Riv. Div.	Date	Amt. in.	D'r'n min.	Rate in/hr
Kent							
1872	N	Dartford, The Downs	5	July 13	1.00	25	2.40
"	N	Sandwich, Walton House	2	June 20	1.00	30	2.00
1874	N	Cranbrook, Hartley	4	July 11	.90	35	1.54
"	R	Sevenoaks, Riverhead Vic.	5	" 11	1.82	60	1.82
"	R	" , Riverhill	4	" 11	1.50	60	1.50
"	N	" , Riverhead Vic.	5	June 6	1.50	90	1.00
"	VR	Tonbridge	4	July 11	3.00	120	1.50
1875	N	Hythe	1	Aug. 12	.56	10	3.36
"	VR	Harbledown	2	" 7	2.12	20	6.36
"	N	Bromley	5	" 7	1.25	60	1.25
1883	VR	Ashford, Westwell	2	June 4	2.65	90	1.77
1884	N	Reculver	2	July 27	.70	15	2.80
1887	N	Canterbury, Harbledown	2	" 17	1.11	65	1.02
1888	N	Hythe	1	Nov. 26	.86	30	1.72
"	N	Lower Walmer	2	Sep. 11	1.08	45	1.44
"	R	Sevenoaks, Purleigh	5	June 26	2.00	60	2.00
1889	VR	Tonbridge, Ferndale	4	" 7	2.60	60	2.60
1892	N	Maidstone, Mount House	4	Sep. 21	.61	7	5.23
"	R	Sevenoaks, Kemsing	5	June 28	2.12	60	2.12
"	R	" , Purleigh	5	" 28	2.33	120	1.17
1897	N	Bickley, Elmhurst	5	" 6	1.00	20	3.00
"	R	Sidcup, Hatherley Rd.	5	" 6	1.23	30	2.46
"	N	Bromley, Widmore Rd.	5	" 6	1.10	30	2.20
"	R	Chislehurst, Foxbury	5	" 6	1.53	45	2.04
1899	N	Sevenoaks, Chevening Gardens	5	Sep. 6	.96	20	2.88
"	N	Maidstone, Tovil	4	July 6	1.07	45	1.43
"	N	Sevenoaks, River Head Vic.	5	" 23	1.48	70	1.27
"	R	Deal and Walmer W.W.	2	June 29	1.98	120	.99
1900	N	Horsmonden,	4	July 3	1.03	28	2.21
1902	R	Maidstone, Mount Ho.	4	Sep. 10	1.47	50	1.76
"	N	" , Allington	4	" 10	1.05	60	1.05
"	R	" , Langley, Rumwood	4	Aug. 17	1.90	75	1.52
1903	N	Ulcombe Place	4	Sep. 4	1.00	45	1.33
"	R	Tonbridge, Primrose Hill	4	July 19	2.50	120	1.25
1904	VR	Cooling, Broomy Farm	5	" 27	2.66	45	3.55
1905	N	Ightham, Belmont Lodge	4	" 27	.72	20	2.16
"	R	Sevenoaks, The Rectory	5	" 27	1.66	40	2.40
1906	N	Erith, Crossness	5	" 27	1.00	30	2.00
1907	N	Sevenoaks, Seal	5	June 1	1.03	60	1.03
1908	R	Canterbury, Medical Hall	2	Sep. 11	1.50	20	4.50
1909	R	Tenterden, View Tower	1	July 4	1.25	30	2.50
1910	N	Chatham, Luton W.W.	4	May 28	.50	8	3.75
1911	N	Hadlow Place	4	" 31	1.15	45	1.53
1913	N	Herne Bay, Pumping Sta.	3	" 27	.79	15	3.16
"	N	Sheerness	3	" 27	.68	20	2.04
1914	R	Margate, Cliftonville	2	July 22	1.76	60	1.76
"	R	Broadstairs, Providence Ho.	2	" 22	1.65	60	1.65
"	R	Whitstable, Western Ho.	3	" 12	1.54	60	1.54
"	R	Broadstairs, St. Peter's Ct.	2	" 22	1.48	60	1.48
"	N	Ospringe, Lorenden	3	" 12	1.37	60	1.37
"	R	Broadstairs, Providence Ho.	2	" 22	1.82	80	1.37
1915	N	Dartford, West Hill Ho.	5	Aug. 3	1.00	20	3.00

Year	Class	Station	Riv. Div.	Date	Amt. in.	D'r'n min.	Rate in/hr
Kent (continued)							
1916	N	Bromley, Lansdown Rd.	5	May 30	1.12	60	1.12
1918	N	Bexley Heath, The Broadway	5	July 17	1.23	50	1.48
"	N	Hildenborough, Hollanden Ho.	4	May 17	1.19	75	.95
1922	R	Tunbridge Wells	4	" 25	1.08	15	4.32
1927	N	Langley, Rumwood Ct.	4	July 11	1.10	50	1.32
1928	VR	Ashurst Park	4	Aug. 1	2.11	45	2.81
1930	R	Sittingbourne, Torry Hill	3	" 30	2.28	90	1.52
1931	N	Bromley	5	" 5	1.30	60	1.30
1933	VR	Chatham, Woolman's Wood	4	July 21	2.11	30	4.22
"	R	E.Malling, Research Sta.	4	" 21	1.35	35	2.31
"	VR	Maidstone, Brenchley Gdns	4	" 21	2.25	45	3.00
"	R	" , Mill St.	4	" 21	1.67	45	2.23
"	R	Dartford, Sew. Wks	5	June 22	1.68	65	1.55
1934	VR	West Wickham, Oak Lo.	5	July 22	3.75	80	2.82
"	VR	" " , Woodland Way	5	" 22	4.55	100	2.73
"	N	Bromley	5	" 22	1.20	35	2.05
1936	N	Lenham	4	June 21	1.00	25	2.40
"	N	Teynham, New Gdns	3	" 21	.99	60	.99
1937	R	Edenbridge, Falconhurst	4	July 19	1.40	25	3.36
"	R	" , Stonewall Pk	4	" 19	1.73	30	3.46
"	N	Hildenborough, Old Sch. Cott.	4	Aug. 30	1.09	35	1.87
"	R	Edenbridge, Gilridge	4	July 19	1.39	45	1.85
"	N	Bromley, Sumbridge Ave.	5	Aug. 30	1.27	60	1.27
"	R	Sevenoaks, Riverhill	4	Aug. 13	2.09	120	1.05
"	R	Bromley	5	" 30	1.63	60	1.63
1938	N	Edenbridge, Falcomhurst	4	" 11	1.21	45	1.61
"	N	Sellinge, Council Sch.	2	June 11	1.40	60	1.40
"	R	Edenbridge, Gilridge	4	Aug. 12	2.09	120	1.05
"	N	Elham, Bladbean Fm.	2	June 1	1.20	120	.60
"	N	Manston Airfield	2	Aug. 8	.98	60	.98
1940	R	West Wickham, Woodland Way	5	June 9	1.40	25	3.36
1941	N	New Eltham	5	July 12	.74	15	2.96
*1942	N	Brookland, Poplar Hall	1	Nov. 1	1.42	117	.73
1946	N	Whitstable, Greenlees	3	Oct. 2	1.02	60	1.02
"	N	Lympne Airport	2	July 4	.83	35	1.42
1947	R	Higham, Forge Lane	4	" 19	1.47	15	5.88
"	N	Sevenoaks, Underriver	4	June 27	1.16	60	1.16
"	VR	Wittersham, Mt. Pleasant	1	July 17	3.60	120	1.80
"	R	West Malling A/Fld	4	June 27	.85	8	6.37
"	N	Rye, R.A.F. Stn.	1	July 17	1.10	50	1.32
1948	R	West Malling, A/Fld	4	June 14	2.04	120	1.02
"	N	" " "	4	" 14	.98	30	1.96
"	N	" " "	4	" 14	.91	30	1.82
1951	R	Bromley, Henville Rd.	5	July 22	1.20	15	4.80
"	N	Brookland, Poplar Hall	1	Aug. 22	.86	23	2.24
"	N	Ash, Corking Fm.	2	Sep. 12	.98	60	.98
"	N	Manston A/Fld	2	Aug. 8	.80	30	1.60
"	R	Rye, R.A.F. Stn.	1	Sep. 1	1.83	60	1.83
1952	N	Lympne Airport	2	Aug. 15	.92	36	1.53
1953	N	Wye, S. E. Agric. Coll.	2	July 14	.59	10	3.54
1954	N	Lympne Airport	2	Oct. 24	1.04	59	1.06
1955	VR	Sittingbourne	3	Aug. 13	3.50	120	1.75
"	N	Ramsgate, East Cliff	2	July 18	1.30	120	.65
1956	VR	Horton Kirby, Court Lo.	5	" 18	2.40	30	4.80
"	VR	Throwley, Newlands Fm.	3	Aug. 6	2.30	45	3.07
1957	R	Dover, Waterloo Crescent	2	July 3	1.57	60	1.57
"	R	Deal and Walmer W. Wks	2	" 3	1.73	80	1.30
"	N	Dover, Martin Mill P. S.	2	" 3	1.29	105	.74
* 1943	N	New Eltham	5	July 31	.88	40	1.32

Year	Class	Station	Riv. Div.	Date	Amt. in.	D'r'n min.	Rate in/hr
Kent (continued)							
1958	N	Tunbridge Wells, Hurstwood La.	4	June 10	1.07	45	1.43
"	R	Erith Crossness	5	Sep. 5	2.04	110	1.11
"	VR	Edenbridge, P. Stn.	4	" 5	3.16	110	1.72
"	VR	Seal, Kemsing P. Sta.	3	" 5	2.43	115	1.27
"	R	Keston, Westerham Rd.	5	" 5	2.24	120	1.12
"	VR	Sevenoaks, Crampton Road P.Sta.	5	" 5	3.78	120	1.89
"	VR	" , Oak Lane	5	" 5	3.36	120	1.68
"	R	Gillingham	4	" 5	1.12	25	2.69
"	R	Dartford, Central Pk.	5	" 5	1.43	28	3.06
"	N	Strood W. Wks	4	" 5	.92	35	1.58
"	VR	Bexley Heath, Danson Pk.	5	" 5	2.44	40	3.66
"	VR	Dartford, Central Pk.	5	" 5	2.76	102	1.62
"	N	Erith Sew. Wks	5	" 5	1.67	40	2.51
"	N	Bromley	5	" 5	2.30	45	3.07
"	N	Tonbridge Wells, Hurstwood La.	4	June 10	1.07	45	1.43
"	N	Penge, Recreation Ground	5	Sep. 5	1.55	50	1.86
"	N	Hartlip, Matts Hill P.S.	4	" 5	1.11	60	1.11
"	N	Horton Kirby, Court Lo.	5	" 5	3.50	90	2.33
"	N	Ashford Gasworks	2	" 5	2.15	90	1.43
"	N	Cobham, Geskyns Ct.	5	" 5	2.15	90	1.43
"	N	Dartford, Christchurch Rd.	5	" 5	2.94	95	1.86
"	N	Meopham P. Sta.	5	" 5	3.43	105	1.96
"	N	Wilmington, Orchard Way	5	" 5	2.74	105	1.56
"	N	Chatham, Luton W. Wks	4	" 5	1.22	120	.61
"	R	Cooling	5	July 16	2.18	79	1.66
"	VR	Knockholt, Kent W. Wks	5	Sep. 5	5.14	120	2.57
"	VR	Sidcup	5	" 5	2.50	20	7.50
"	N	Mark Beech, Horseshoe Green	4	" 5	1.80	125	.86
1959	R	Ash, Corking Fm.	2	June 26	1.88	60	1.88
"	R	Erith, Sew. Wks	5	Aug. 21	1.75	75	1.40
Hampshire							
1905	N	East Liss, Newlands	6	July 27	.94	20	2.82
1920	N	Liss, Kippences	6	" 4	1.50	90	1.00
1931	R	Petersfield, Stoner Hill	6	Aug. 6	2.15	55	2.35
Surrey							
1917	N	Felbridge, Chartham Pk.	2	May 29	1.24	39	1.91
1920	N	" " "	2	July 4	1.00	48	1.25
1926	N	South Godstone, Hartsridge	2	Aug. 31	1.35	90	.90
"	R	Oxted, West Heath	2	" 31	2.20	100	1.32
"	R	" , Stone Hall	2	" 31	2.14	105	1.22
"	N	Dormans Park, Chartham Park	2	" 31	1.66	108	.92
"	N	Lingfield, Felcourt	2	" 31	1.68	120	.84
"	N	Tatsfield	2	Sep. 1	1.62	120	.81
1937	R	Lingfield Ho.	2	July 18	1.03	12½	4.94
1941	N	Dormansland, The Vicarage	2	June 7	.95	33	1.73
1946	N	Lingfield, Sew. Wks	2	July 26	.67	10	4.02
"	R	Godalming, Burgate	1	Aug. 9	1.13	17	3.99
"	N	Haslemere, Church Hill	1	July 26	.95	25	2.28
1956	N	Lingfield, Sew. Wks	2	" 19	.86	24	2.15
1958	R	" " " "	2	" 16	1.10	22	3.00
"	R	Godstone, Pumping Sta.	2	Sep. 5	1.42	30	2.84
"	N	Lingfield, Sew. Wks	2	" 5	.83	17	2.93
"	N	Limpsfield and Oxted S. Wks	2	" 5	1.65	110	.90
1960	N	Lingfield Sew. Wks	2	" 14	1.72	120	.86
"	N	Limpsfield and Oxted S. Wks	2	" 14	1.50	120	.75

Year	Class	Station	Riv. Div.	Date	Amt. in	D'r'n min.	Rate in/hr
Sussex							
1867	N	West Hoathly, Pearcelands	4	June 3	1.50	120	.75
"	N	Lewes, Glynde	4	Sep. 9	1.19	120	.59
1871	N	Uckfield Ob's'y	4	" 24	.55	5	6.60
"	N	Brighton	3	June 14	1.20	45	1.60
1872	N	Framfield, The Grange	3	July 2	.77	30	1.54
1879	R	Cowfold, Woldringfold	3	June 13	1.72	55	1.88
1881	N	Brighton, Blatchington Rd.	3	July 5	.46	5	5.52
1885	N	Mayfield Vicarage	6	" 5	1.34	60	1.34
"	N	Hailsham	5	" 5	1.00	60	1.00
1886	N	Lewes, Ilford	4	Aug. 9	.87	40	1.31
"	N	Maresfield, Forest Lo.	4	Oct. 8	1.01	60	1.01
1888	N	" " "	4	June 26	1.19	75	.95
1889	N	Compton	1	May 6	.70	12½	3.36
"	N	"	1	" 6	1.55	60	1.55
1891	R	Lewes, Ilford	4	July 26	2.53	110	1.38
"	N	" , Bedford Lo.	4	" 26	1.69	120	.85
"	N	Worthing, Heene	3	" 27	1.20	120	.60
1893	N	Eastbourne, Geldridge Rd.	5	" 16	1.26	60	1.26
1896	N	Hailsham	5	" 15	.97	60	.97
1897	N	Hastings, Guestling Rec.	6	June 26	.74	15	2.96
"	N	" , Hollington	5	Aug. 25	.80	30	1.60
"	R	" "	5	" 25	1.89	120	.95
1899	N	Midhurst, Borden Wood	2	Sep. 7	1.25	60	1.25
"	R	Petworth Park	2	" 7	2.56	100	1.54
1901	VR	Wadhurst, Lower Cousley Wood	7	July 29	3.25	55	3.55
"	N	Clayton Rec.	3	" 28	1.37	60	1.37
1902	N	Chichester, Chilgrove	1	Aug. 14	1.30	60	1.30
1903	N	Lynchmere, Shottermill	2	July 19	1.20	35	2.06
1906	R	Burwash	6	May 9	2.18	90	1.45
1908	N	Hastings, Hollington	5	Sep. 24	.87	30	1.74
1909	R	Bodiam, S. Park	6	July 4	1.57	30	3.14
1910	R	Wych Cross Place	7	June 9	1.48	45	1.97
1912	N	Southwater	3	Aug. 7	.75	8	5.63
1913	N	Ardingly, Lywood Ho.	4	July 10	.54	8	4.05
"	R	Hurst Green, Boarzell	6	" 15	2.00	60	2.00
"	R	Ticehurst, Myskyns	6	" 15	2.00	60	2.00
1915	N	Hailsham Vic.	5	Sep. 1	1.13	75	.90
1918	N	Hadlow Down	4	July 17	.98	20	2.94
"	N	East Grinstead	7	Sep. 5	.79	20	2.37
"	R	Hadlow Down	4	July 17	1.35	30	2.70
1921	N	Crowborough, Uckfield Lo.	7	Aug 12	1.32	105	.75
1924	R	Winchelsea, Road End	6	May 31	1.58	50	1.90
"	N	Peasmarsh, Woodside	6	" 31	1.32	75	1.06
1926	R	East Grinstead, Brockhurst Obsy.	7	Aug. 31	1.80	90	1.20
"	N	Haywards Heath, Paddockhall Rd.	4	" 31	1.45	90	.97
"	N	Brighton, Dyke Road	3	" 31	1.34	120	.67
"	N	Eastbourne, Motcombe Gdns	5	" 16	.76	20	2.28
"	N	Hellingly, Buslow	5	" 16	1.21	50	1.45
1929	R	N. Mundham Vic.	5	Sep. 15	1.86	75	1.49
1931	N	Easbourne, W. Lodge	5	Aug. 13	.67	15	2.68
"	N	Hastings, Clive Ave	5	" 6	.90	37	1.46
"	N	Heathfield, White Cottage	5	" 5	.93	40	1.39
"	N	" , Barklye	6	" 5	1.17	45	1.56
"	N	Eastbourne, Wilmington Square	5	" 14	.74	19	2.34
1932	N	Kirdford, Hills Green	2	July 26	1.38	55	1.51
1934	N	Balcombe, The Gables	4	" 22	1.11	45	1.48
"	N	Bexhill, Egerton Park	5	June 25	1.42	75	1.14
1936	N	Haywards Heath, Lewes Rd.	4	Sep. 5	.61	9	4.07
"	N	Rotherfield, Horsegrove Fm.	7	May 17	1.08	25	2.59

Year	Class	Station	Riv. Div.	Date	Amt. in.	D'r'n min.	Rate in/hr.
Sussex (continued)							
1936	R	West Hoathly, Stonelands	4	May 17	1.83	34	3.23
"	N	" " "	4	June 29	.92	38	1.45
"	R	Forest Row, Charlwood Fm.	7	May 17	2.10	60	2.10
"	N	Horam, Coxlow	5	June 19	1.25	60	1.25
1937	N	Horsham, Wimblehurst	2	Aug. 30	.93	30	1.86
1938	VR	Chichester, Apulduram	1	" 7	2.50	45	3.33
1941	N	Patcham, Vale Ave	3	July 13	.63	10	3.78
"	N	Hurstpierpoint, Brundall	3	" 12	.62	14	2.66
1942	N	Midhurst, June Lane	2	Aug. 3	.80	20	2.40
"	N	Compton, Compton Ho.	1	" 3	.87	24	2.17
"	N	West Dean Park	1	" 29	1.32	60	1.32
"	N	Midhurst, Fair View	2	" 29	1.00	60	1.00
1946	N	Lindfield, The Common	4	Sep. 1	.80	15	3.20
"	N	Crowley Down, Grange Hill	7	July 26	.78	15	3.12
1947	N	Hurstpierpoint, Brundall	3	" 10	.56	10	3.26
"	N	Horsham, Springfield Pk.	2	June 27	.99	20	2.97
"	N	Hurstpierpoint, Brundall	3	" 27	.85	20	2.55
"	N	Hassocks, The Croft.	3	July 9	1.01	30	2.02
"	N	Horsham, Windyridge	2	June 27	1.00	30	2.00
"	N	Forest Row, Park Rd.	7	Dec. 5	1.00	30	2.00
"	N	Crowley Down, Grange Hill	7	June 27	.84	30	1.68
"	N	Worth Priory	4	" 27	.93	45	1.24
"	N	Hove	3	Sep. 18	1.08	75	.86
1948	N	Lewes Sew. Wks	4	Aug. 7	1.08	55	1.18
1951	R	Heathfield, Cross-in-Hand	5	June 12	1.15	20	3.45
"	N	Byworth, Edgehill	2	" 22	.97	60	.97
1953	N	Chichester, Apuldram	1	" 30	.90	45	1.20
1954	N	Hastings, White Rock	5	Oct. 24	1.34	90	.89
1955	N	Heathfield, Cross-in-Hand	5	July 14	.69	15	2.76
"	N	Hurstpierpoint, Brundall	3	" 18	1.17	55	1.28
"	R	Chidham, Chidmere	1	Aug. 14	2.29	90	1.53
"	N	Tangmere Airfield	1	July 13	1.29	68	1.14
1956	VR	Arundel Castle	2	Aug. 6	1.78	18	5.93
"	N	Hurstpierpoint, Brundall	3	" 6	1.16	54	1.29
"	N	Haywards Heath, Paddock Rd	4	July 19	1.87	90	1.25
1957	N	Eastbourne, Wilmington Sq.	5	" 3	1.95	40	2.93
"	N	Bexhill, Egerton Pk.	5	" 3	1.06	30	2.12
"	R	Hastings, White Rock	5	" 3	1.82	120	.91
"	N	Selsey, Oakash	1	" 19	.82	25	1.97
1958	N	Brighton W. Wks, Shoreham	3	Aug. 22	1.35	120	.67
"	N	Chichester, West St.	1	Sep. 5	.75	20	2.25
"	N	Byeworth, Edgehill	2	" 5	1.09	25	2.62
"	R	Chichester, Apuldram	1	" 5	1.68	30	3.36
"	VR	Kirdford, Hills Green	2	" 5	2.00	30	4.00
"	R	Bosham, Cobnor	1	" 5	1.68	60	1.68
"	N	Rudgewick, Swaynes	2	" 5	1.10	60	1.10
"	VR	Horsted Keynes, Cinder Hill	4	" 5	2.33	60	2.33
"	R	West Dean Park	1	" 5	2.36	75	1.89
"	R	Chidham, Chidmore	1	" 5	1.63	75	1.30
"	N	Chichester, Funtington P. Stn	1	" 5	1.57	90	1.05
"	R	Forest Row, Rystcot	7	" 5	1.99	105	1.14
"	N	East Grinstead, Standen	7	" 5	2.14	120	1.07
"	VR	Weir Wood Res.	7	" 5	2.50	60	2.50
"	R	Upper Beeding, Sele Gdns	3	" 15	1.25	30	2.50
"	N	Worthing Ferring	3	Aug. 12	1.09	45	1.45
"	N	Midhurst, June Lane	2	Sep. 5	1.72	56	1.84
"	N	Chichester, Sew. Wks	1	" 5	2.20	90	1.47
"	N	Bexhill, Egerton Pk.	5	" 14	1.20	45	1.60
1960	N	Worthing, Ferring	3	Sep. 30	1.37	120	.69
"	N	Tangmere Airfield	1	Aug. 2	.74	15	2.96
"	R	Thorney Island A/fld	1	" 2	1.44	24	3.60

Key:- N = Noteworthy
R = Remarkable
VR = Very Rare.

River divisions within counties as in British Rainfall up to 1960.

Kent

1 Rother & C
2 Stour & C
3 Swale & C
4 Medway
5 Darent & C (including the Ravensbourne just outside the area.)

Hampshire

6 Arun

Surrey

1 Arun
2 Medway
3 Darent

Sussex

1 Lavant & C
2 Arun
3 Arun & C
4 Ouse
5 Cuckmere & C
6 Rother
7 Medway.

G.18638/CJH/8/63/100.

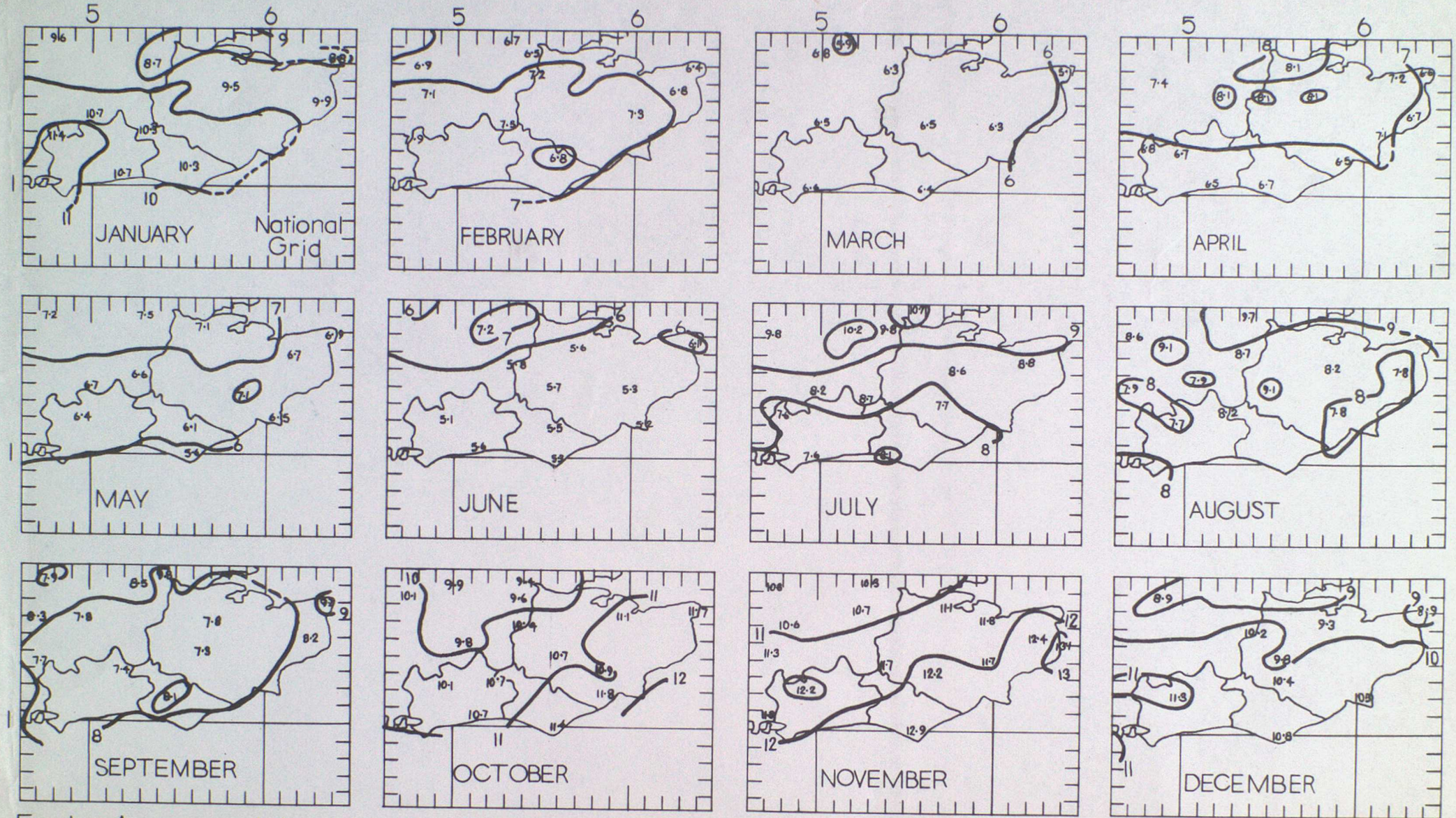

Fig. 1. Average Monthly Rainfall as a percentage of Average Annual Rainfall 1916-1950.

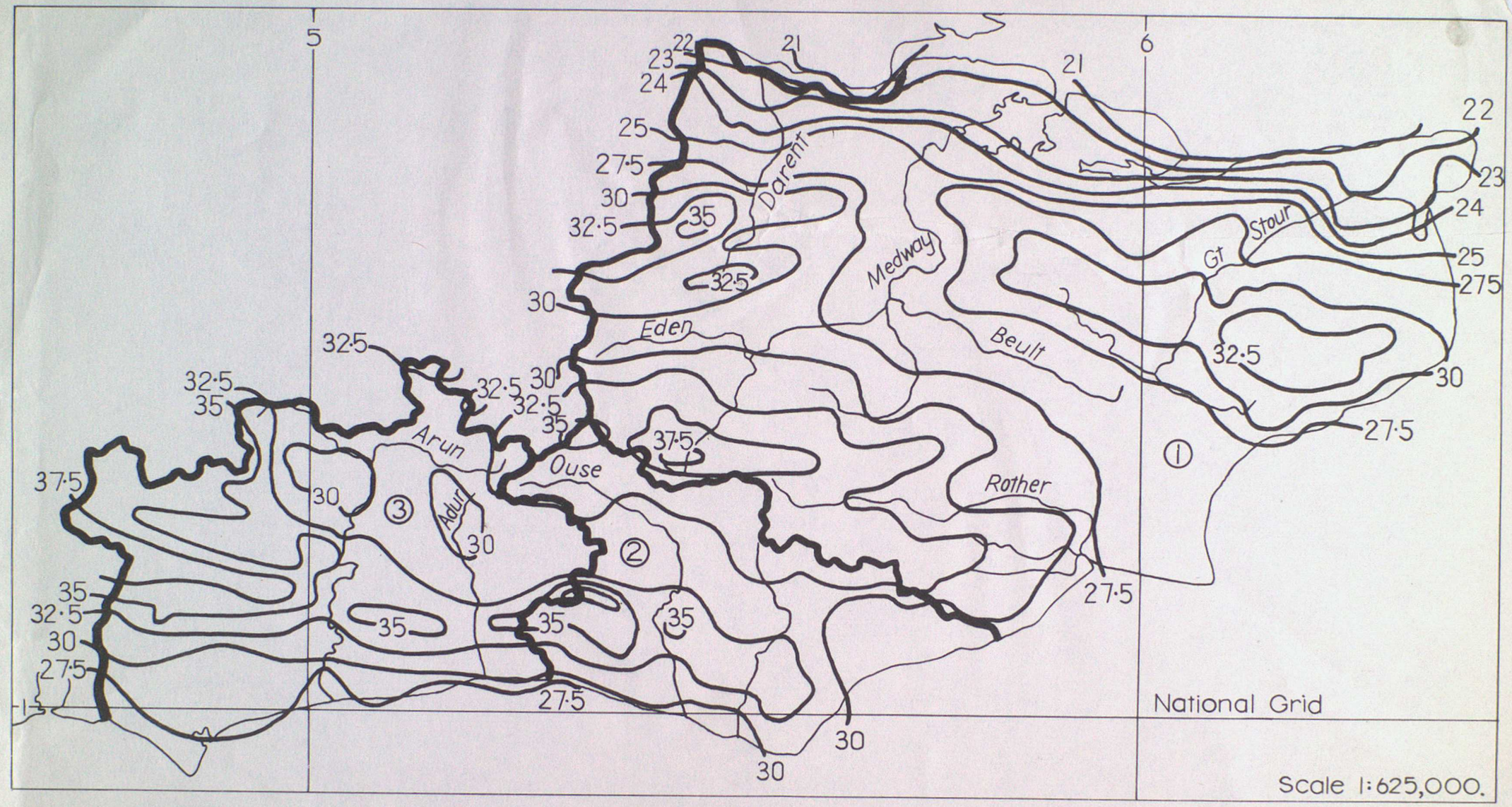

Fig 2. AVERAGE ANNUAL RAINFALL 1916-1950, (in inches) over the areas of the:

① Kent River Board
② East Sussex River Board
③ West Sussex River Board.